

COUNTRY ID=Australia SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 67 | 1.1 | 72 | 1.5 | 62 | 1.5 |
| A10 | No | The fossils of dinosaurs can be found where? | 86 | 0.7 | 85 | 1.1 | 87 | 0.9 |
| B02 | No | Shown diagram, where is the saltiest water found? | 68 | 1.7 | 67 | 2.3 | 69 | 1.9 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 39 | 1.6 | 39 | 2.2 | 39 | 2.1 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 71 | 1.7 | 72 | 2.7 | 70 | 2.5 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 93 | 0.9 | 92 | 1.6 | 95 | 1.0 |
| E09 | No | Given several recent floods, when will it flood next? | 43 | 2.0 | 36 | 2.5 | 50 | 2.8 |
| F02 | No | Each year the Earth moves once around which of the following? | 61 | 2.1 | 62 | 3.0 | 59 | 2.7 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 63 | 1.8 | 63 | 2.3 | 64 | 2.4 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 72 | 1.7 | 77 | 2.1 | 67 | 2.6 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 28 | 1.8 | 28 | 2.1 | 28 | 2.4 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 38 | 2.0 | 41 | 2.7 | 35 | 2.7 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 37 | 1.8 | 38 | 4.1 | 35 | 2.9 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 60 | 3.1 | 63 | 4.0 | 58 | 3.9 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 28 | 2.5 | 30 | 4.1 | 26 | 3.6 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 29 | 1.7 | 36 | 2.7 | 23 | 2.4 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 64 | 2.1 | 63 | 3.0 | 66 | 2.4 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 18 | 2.5 | 17 | 2.5 | 20 | 3.0 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Australia SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 81 | 0.9 | 78 | 1.6 | 84 | 0.9 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 42 | 1.3 | 44 | 2.3 | 41 | 2.3 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 78 | 1.8 | 73 | 2.2 | 82 | 2.2 |
| O06 | Yes | Write down one example of how computers help people do their work. | 60 | 3.5 | 57 | 4.6 | 64 | 4.5 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 35 | 2.4 | 34 | 3.7 | 36 | 3.9 |
| Q07 | Yes | Which of the following statements is not an observation? | 40 | 3.1 | 37 | 4.2 | 44 | 4.4 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 41 | 2.9 | 41 | 3.8 | 42 | 4.4 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 51 | 2.5 | 56 | 3.3 | 46 | 3.2 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 35 | 2.6 | 36 | 3.2 | 35 | 3.5 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 23 | 1.7 | 21 | 1.9 | 25 | 2.7 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Australia SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 68 | 1.1 | 66 | 1.6 | 69 | 1.5 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 67 | 1.7 | 63 | 2.2 | 70 | 2.1 |
| B04 | No | Where do humans interpret senses? | 63 | 1.6 | 64 | 2.2 | 62 | 1.8 |
| C06 | No | Which animal eats only plants? | 89 | 1.0 | 89 | 1.6 | 90 | 1.5 |
| C08 | No | What gas in the air do we need in order to live? | 83 | 1.4 | 82 | 2.0 | 85 | 1.6 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 59 | 1.9 | 58 | 2.2 | 60 | 2.7 |
| D03 | No | Which of the following animals does not lay eggs? | 94 | 0.9 | 93 | 1.3 | 94 | 1.1 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 49 | 1.7 | 50 | 2.3 | 48 | 2.7 |
| F01 | No | Which of the following plants is grown for food? | 75 | 1.6 | 72 | 2.3 | 77 | 2.4 |
| G05 | No | Where does air go when a person breathes in? | 86 | 1.4 | 85 | 2.2 | 87 | 1.5 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 91 | 0.8 | 90 | 1.2 | 92 | 1.0 |
| H02 | No | How can washing your hands help keep you from getting sick? | 89 | 1.2 | 86 | 2.1 | 92 | 1.0 |
| H04 | No | Which of the following will most likely affect your adult height? | 38 | 1.7 | 35 | 2.2 | 41 | 2.5 |
| N02 | Yes | Which of the following refers only to living things? | 66 | 2.7 | 62 | 3.4 | 69 | 3.6 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 28 | 2.4 | 28 | 3.8 | 28 | 4.2 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 69 | 3.7 | 70 | 4.4 | 67 | 4.7 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 37 | 2.9 | 34 | 3.6 | 39 | 4.5 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 31 | 2.4 | 30 | 3.7 | 32 | 3.2 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 67 | 2.6 | 67 | 3.5 | 66 | 4.6 |
| O07 | Yes | Which of the following animal produces milk for its young? | 63 | 2.3 | 58 | 3.2 | 68 | 4.2 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 94 | 1.5 | 95 | 2.0 | 93 | 2.2 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 90 | 1.7 | 91 | 2.5 | 89 | 2.4 |
| P08 | Yes | Birds are different from insects in that birds have... | 61 | 3.3 | 58 | 4.4 | 63 | 4.2 |
| P09 | Yes | Seeds develop from which part of a plant? | 33 | 2.9 | 32 | 3.7 | 33 | 4.1 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 71 | 2.6 | 70 | 4.0 | 73 | 3.1 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 47 | 3.1 | 48 | 4.1 | 47 | 4.6 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 70 | 2.9 | 69 | 4.4 | 72 | 3.5 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 61 | 2.8 | 64 | 4.3 | 59 | 4.0 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 58 | 2.4 | 50 | 3.5 | 67 | 3.7 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 84 | 2.1 | 78 | 3.8 | 90 | 2.7 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 44 | 3.6 | 42 | 4.9 | 45 | 4.6 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 54 | 3.4 | 54 | 3.7 | 55 | 5.0 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 54 | 2.4 | 54 | 2.9 | 54 | 3.3 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 21 | 1.7 | 21 | 2.8 | 20 | 2.6 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 49 | 2.9 | 53 | 3.8 | 45 | 2.8 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 77 | 1.7 | 72 | 2.3 | 81 | 2.4 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 81 | 1.7 | 81 | 2.6 | 82 | 2.8 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 58 | 2.1 | 61 | 2.9 | 56 | 3.2 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 62 | 2.1 | 61 | 3.1 | 63 | 2.5 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 36 | 2.4 | 36 | 3.0 | 35 | 3.0 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 60 | 2.4 | 62 | 2.7 | 58 | 3.1 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 47 | 2.3 | 49 | 2.7 | 44 | 3.0 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 69 | 2.2 | 66 | 3.1 | 71 | 2.6 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Australia SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 83 | 1.0 | 82 | 1.4 | 84 | 1.0 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 63 | 1.6 | 68 | 2.0 | 59 | 2.5 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 65 | 1.5 | 63 | 2.9 | 67 | 2.2 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 60 | 2.3 | 60 | 2.7 | 61 | 2.9 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 64 | 1.4 | 65 | 2.3 | 62 | 2.1 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 72 | 1.6 | 74 | 2.7 | 71 | 2.4 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 84 | 1.3 | 81 | 1.9 | 87 | 1.3 |
| H01 | No | What happens to water when it boils? | 62 | 1.9 | 66 | 2.5 | 58 | 2.9 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 32 | 3.3 | 39 | 4.8 | 25 | 4.0 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 55 | 3.8 | 51 | 4.8 | 59 | 5.2 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 71 | 2.8 | 73 | 3.4 | 69 | 4.7 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 55 | 3.7 | 55 | 4.1 | 56 | 5.3 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 47 | 4.0 | 49 | 4.6 | 45 | 4.9 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 53 | 3.3 | 51 | 3.9 | 55 | 4.8 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 38 | 2.3 | 42 | 4.2 | 35 | 4.1 |
| P03 | Yes | Which of the following is not used as an energy source? | 27 | 2.7 | 27 | 3.3 | 27 | 3.4 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 28 | 2.8 | 25 | 3.4 | 31 | 4.2 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 44 | 3.0 | 46 | 4.0 | 41 | 4.4 |
| P07 | Yes | Which of the following travels fastest? (light) | 46 | 2.6 | 58 | 3.9 | 33 | 3.6 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 47 | 3.0 | 46 | 3.4 | 48 | 4.4 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 60 | 3.5 | 66 | 4.3 | 53 | 4.9 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 41 | 2.6 | 43 | 3.9 | 38 | 4.0 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 57 | 3.1 | 55 | 4.3 | 60 | 4.1 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 15 | 1.8 | 21 | 3.2 | 10 | 2.4 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 52 | 3.2 | 54 | 4.6 | 50 | 4.1 |
| R08 | Yes | Which of the following makes its own light? | 44 | 3.2 | 48 | 4.8 | 40 | 4.1 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 48 | 3.5 | 45 | 4.5 | 50 | 4.5 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 29 | 2.1 | 29 | 2.6 | 29 | 2.6 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 49 | 2.8 | 45 | 3.3 | 52 | 3.2 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 28 | 2.4 | 30 | 2.9 | 27 | 3.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Austria SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 60 | 2.0 | 65 | 2.6 | 55 | 2.0 |
| A10 | No | The fossils of dinosaurs can be found where? | 76 | 1.3 | 79 | 1.6 | 73 | 1.6 |
| B02 | No | Shown diagram, where is the saltiest water found? | 87 | 1.3 | 89 | 1.6 | 85 | 1.8 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 42 | 2.0 | 47 | 3.1 | 37 | 2.6 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 67 | 2.1 | 70 | 2.8 | 64 | 3.0 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 95 | 1.0 | 96 | 1.0 | 94 | 1.4 |
| E09 | No | Given several recent floods, when will it flood next? | 49 | 2.3 | 49 | 3.5 | 50 | 3.0 |
| F02 | No | Each year the Earth moves once around which of the following? | 70 | 2.2 | 75 | 2.6 | 65 | 3.1 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 65 | 1.8 | 63 | 3.1 | 66 | 2.8 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 78 | 1.5 | 77 | 1.9 | 78 | 2.3 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 31 | 3.2 | 30 | 5.0 | 32 | 2.5 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 40 | 2.2 | 42 | 3.3 | 38 | 3.0 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 44 | 2.9 | 37 | 4.7 | 50 | 4.5 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 64 | 2.9 | 60 | 4.8 | 69 | 4.1 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 20 | 3.5 | 21 | 6.2 | 17 | 3.2 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 29 | 3.1 | 31 | 5.0 | 26 | 2.7 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 33 | 2.3 | 32 | 2.8 | 34 | 3.2 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 17 | 1.8 | 19 | 2.4 | 14 | 2.2 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Austria SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 87 | 0.9 | 85 | 1.3 | 89 | 1.1 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 50 | 1.9 | 49 | 2.4 | 52 | 2.4 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 65 | 2.4 | 65 | 3.1 | 65 | 2.9 |
| O06 | Yes | Write down one example of how computers help people do their work. | 43 | 3.3 | 41 | 5.9 | 45 | 4.5 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 19 | 2.5 | 18 | 3.8 | 21 | 3.9 |
| Q07 | Yes | Which of the following statements is not an observation? | 31 | 2.9 | 26 | 3.6 | 37 | 5.0 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 25 | 2.6 | 21 | 3.1 | 28 | 4.5 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 46 | 3.2 | 48 | 4.6 | 45 | 3.7 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 29 | 2.6 | 35 | 3.9 | 25 | 2.9 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 11 | 1.5 | 12 | 2.1 | 10 | 2.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Austria SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 73 | 1.3 | 69 | 1.9 | 77 | 1.6 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 83 | 1.2 | 83 | 1.9 | 83 | 1.7 |
| B04 | No | Where do humans interpret senses? | 60 | 2.2 | 62 | 2.9 | 59 | 2.7 |
| C06 | No | Which animal eats only plants? | 91 | 1.2 | 91 | 1.7 | 91 | 1.5 |
| C08 | No | What gas in the air do we need in order to live? | 87 | 1.4 | 86 | 1.5 | 87 | 2.1 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 67 | 1.8 | 66 | 2.5 | 68 | 2.4 |
| D03 | No | Which of the following animals does not lay eggs? | 92 | 1.0 | 92 | 1.2 | 92 | 1.5 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 63 | 2.0 | 65 | 2.5 | 61 | 2.6 |
| F01 | No | Which of the following plants is grown for food? | 79 | 1.7 | 81 | 1.9 | 78 | 2.9 |
| G05 | No | Where does air go when a person breathes in? | 79 | 1.9 | 80 | 2.5 | 76 | 2.5 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 87 | 1.4 | 86 | 2.1 | 89 | 1.7 |
| H02 | No | How can washing your hands help keep you from getting sick? | 59 | 2.1 | 59 | 2.6 | 60 | 2.5 |
| H04 | No | Which of the following will most likely affect your adult height? | 52 | 2.2 | 50 | 3.0 | 53 | 2.9 |
| N02 | Yes | Which of the following refers only to living things? | 66 | 3.1 | 60 | 4.2 | 72 | 3.6 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 49 | 2.8 | 54 | 4.4 | 44 | 4.8 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 76 | 2.8 | 81 | 3.6 | 71 | 4.7 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 41 | 3.1 | 37 | 4.6 | 46 | 5.0 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 33 | 3.9 | 30 | 6.1 | 36 | 3.9 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 55 | 3.8 | 55 | 5.6 | 55 | 4.5 |
| O07 | Yes | Which of the following animal produces milk for its young? | 54 | 3.4 | 51 | 5.6 | 57 | 4.4 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 91 | 1.9 | 89 | 2.9 | 94 | 2.2 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 92 | 1.6 | 90 | 2.6 | 95 | 1.7 |
| P08 | Yes | Birds are different from insects in that birds have... | 63 | 3.5 | 63 | 4.5 | 63 | 4.2 |
| P09 | Yes | Seeds develop from which part of a plant? | 59 | 3.5 | 58 | 4.6 | 60 | 4.7 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 57 | 3.7 | 58 | 4.9 | 56 | 5.3 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 79 | 2.7 | 77 | 4.2 | 80 | 2.9 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 66 | 3.6 | 64 | 5.2 | 68 | 5.0 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 35 | 3.5 | 41 | 5.2 | 30 | 4.3 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 67 | 3.1 | 67 | 3.9 | 66 | 4.6 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 74 | 2.7 | 70 | 3.6 | 77 | 3.9 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 33 | 3.4 | 31 | 4.9 | 33 | 4.5 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 57 | 3.3 | 55 | 5.2 | 61 | 4.6 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 26 | 2.7 | 29 | 3.5 | 24 | 3.3 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 19 | 2.1 | 23 | 3.9 | 15 | 2.0 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 39 | 2.5 | 42 | 3.5 | 37 | 3.4 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 65 | 2.5 | 61 | 3.5 | 69 | 3.1 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 81 | 2.2 | 78 | 3.3 | 83 | 2.4 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 41 | 3.0 | 41 | 3.7 | 41 | 3.8 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 62 | 2.8 | 58 | 4.0 | 66 | 3.2 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 43 | 2.8 | 41 | 4.7 | 44 | 2.8 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 52 | 2.4 | 55 | 3.6 | 47 | 3.7 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 30 | 2.5 | 30 | 3.3 | 29 | 3.2 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 62 | 2.7 | 60 | 3.6 | 63 | 3.3 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Austria SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 81 | 1.2 | 82 | 1.8 | 81 | 1.5 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 73 | 1.5 | 77 | 1.9 | 70 | 2.5 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 73 | 2.2 | 73 | 2.7 | 73 | 2.4 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 56 | 2.2 | 57 | 2.9 | 57 | 2.7 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 54 | 2.5 | 59 | 3.6 | 49 | 2.7 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 67 | 1.9 | 64 | 3.2 | 70 | 2.3 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 87 | 1.6 | 85 | 2.3 | 89 | 1.9 |
| H01 | No | What happens to water when it boils? | 89 | 1.1 | 90 | 1.6 | 88 | 1.8 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 41 | 3.0 | 44 | 4.2 | 39 | 5.3 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 42 | 3.5 | 41 | 4.2 | 43 | 5.3 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 61 | 3.1 | 62 | 4.5 | 62 | 5.1 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 30 | 2.9 | 36 | 4.5 | 24 | 4.0 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 39 | 3.9 | 44 | 5.8 | 34 | 4.3 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 54 | 3.6 | 54 | 6.2 | 52 | 4.4 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 46 | 3.7 | 48 | 5.9 | 43 | 4.7 |
| P03 | Yes | Which of the following is not used as an energy source? | 34 | 3.3 | 43 | 4.8 | 23 | 3.8 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 36 | 4.0 | 42 | 5.6 | 29 | 4.6 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 41 | 4.2 | 48 | 5.5 | 31 | 4.6 |
| P07 | Yes | Which of the following travels fastest? (light) | 34 | 3.0 | 41 | 5.1 | 25 | 4.3 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 46 | 3.2 | 44 | 4.7 | 46 | 4.4 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 58 | 3.3 | 62 | 4.4 | 53 | 5.2 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 42 | 3.2 | 40 | 4.7 | 42 | 4.2 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 48 | 3.7 | 47 | 4.6 | 48 | 5.1 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 14 | 2.3 | 17 | 3.1 | 9 | 2.8 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 45 | 3.5 | 39 | 4.6 | 53 | 4.5 |
| R08 | Yes | Which of the following makes its own light? | 70 | 3.1 | 63 | 4.6 | 78 | 3.8 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 44 | 3.8 | 41 | 5.8 | 47 | 5.2 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 27 | 2.3 | 23 | 3.0 | 32 | 3.2 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 20 | 2.2 | 22 | 3.1 | 18 | 3.0 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 18 | 1.7 | 19 | 2.5 | 17 | 2.5 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Canada SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 66 | 1.0 | 70 | 1.1 | 62 | 1.1 |
| A10 | No | The fossils of dinosaurs can be found where? | 79 | 1.0 | 80 | 1.5 | 77 | 1.4 |
| B02 | No | Shown diagram, where is the saltiest water found? | 71 | 1.4 | 71 | 1.9 | 71 | 1.8 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 38 | 1.3 | 41 | 1.8 | 33 | 2.3 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 77 | 1.2 | 78 | 1.6 | 75 | 1.8 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 92 | 1.2 | 93 | 1.2 | 93 | 1.0 |
| E09 | No | Given several recent floods, when will it flood next? | 42 | 1.6 | 40 | 2.1 | 43 | 2.0 |
| F02 | No | Each year the Earth moves once around which of the following? | 64 | 1.8 | 68 | 2.2 | 61 | 2.3 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 60 | 1.6 | 61 | 2.2 | 61 | 2.2 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 61 | 1.9 | 69 | 2.2 | 54 | 2.7 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 27 | 1.3 | 29 | 2.3 | 24 | 1.6 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 26 | 1.7 | 30 | 2.7 | 24 | 1.7 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 30 | 2.3 | 28 | 2.9 | 30 | 3.9 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 63 | 2.9 | 64 | 3.5 | 63 | 3.5 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 37 | 2.6 | 34 | 3.1 | 38 | 4.6 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 29 | 1.9 | 35 | 2.5 | 23 | 2.1 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 52 | 2.2 | 52 | 2.9 | 53 | 2.7 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 16 | 1.8 | 15 | 2.3 | 18 | 2.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Canada SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 75 | 0.9 | 75 | 1.3 | 76 | 1.0 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 41 | 1.9 | 40 | 2.8 | 40 | 2.7 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 71 | 1.4 | 69 | 2.2 | 73 | 1.7 |
| O06 | Yes | Write down one example of how computers help people do their work. | 61 | 2.2 | 57 | 3.0 | 64 | 3.7 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 30 | 2.2 | 28 | 3.0 | 32 | 3.5 |
| Q07 | Yes | Which of the following statements is not an observation? | 37 | 2.3 | 33 | 3.3 | 40 | 3.1 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 38 | 2.4 | 37 | 3.1 | 38 | 3.5 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 31 | 1.4 | 30 | 2.1 | 33 | 2.2 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 22 | 1.5 | 20 | 2.0 | 25 | 2.4 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 20 | 1.3 | 17 | 2.1 | 22 | 1.6 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Canada SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 64 | 1.1 | 63 | 1.5 | 64 | 1.3 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 71 | 1.5 | 70 | 1.8 | 73 | 1.8 |
| B04 | No | Where do humans interpret senses? | 61 | 1.4 | 61 | 2.0 | 61 | 2.7 |
| C06 | No | Which animal eats only plants? | 77 | 1.7 | 79 | 2.7 | 77 | 2.0 |
| C08 | No | What gas in the air do we need in order to live? | 77 | 1.5 | 78 | 1.8 | 75 | 1.8 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 61 | 1.5 | 62 | 1.6 | 61 | 1.9 |
| D03 | No | Which of the following animals does not lay eggs? | 94 | 0.7 | 93 | 1.0 | 94 | 1.0 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 46 | 1.5 | 48 | 2.6 | 48 | 2.1 |
| F01 | No | Which of the following plants is grown for food? | 75 | 1.1 | 74 | 1.7 | 76 | 1.6 |
| G05 | No | Where does air go when a person breathes in? | 81 | 1.4 | 82 | 1.6 | 80 | 1.8 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 84 | 0.9 | 80 | 1.4 | 87 | 1.4 |
| H02 | No | How can washing your hands help keep you from getting sick? | 80 | 1.1 | 79 | 1.6 | 81 | 1.7 |
| H04 | No | Which of the following will most likely affect your adult height? | 40 | 1.7 | 40 | 1.9 | 39 | 2.3 |
| N02 | Yes | Which of the following refers only to living things? | 60 | 2.5 | 65 | 3.2 | 56 | 4.0 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 35 | 2.5 | 40 | 3.8 | 32 | 4.0 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 64 | 2.1 | 64 | 3.4 | 64 | 3.3 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 32 | 2.6 | 37 | 3.6 | 29 | 2.8 |
| O02 | Yes | Why did seeds placed on moist cotton sprout, but not those covered with water? | 37 | 2.5 | 36 | 3.2 | 37 | 3.6 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 61 | 3.3 | 61 | 3.0 | 65 | 4.3 |
| O07 | Yes | Which of the following animal produces milk for its young? | 61 | 3.2 | 59 | 4.3 | 64 | 4.0 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 96 | 1.0 | 94 | 1.7 | 98 | 0.7 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 88 | 1.9 | 88 | 2.6 | 91 | 2.2 |
| P08 | Yes | Birds are different from insects in that birds have... | 61 | 3.1 | 61 | 3.2 | 63 | 4.6 |
| P09 | Yes | Seeds develop from which part of a plant? | 24 | 2.0 | 26 | 2.9 | 21 | 3.0 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 69 | 2.4 | 67 | 3.0 | 69 | 3.7 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 49 | 2.3 | 48 | 3.5 | 51 | 4.3 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 67 | 2.3 | 63 | 2.9 | 69 | 4.3 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 53 | 3.0 | 54 | 3.5 | 54 | 4.1 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 56 | 3.3 | 49 | 3.8 | 61 | 4.3 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 73 | 1.8 | 71 | 3.2 | 74 | 3.3 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 43 | 2.2 | 44 | 3.0 | 44 | 3.7 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 53 | 3.1 | 52 | 3.5 | 52 | 4.5 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 36 | 1.7 | 38 | 2.0 | 33 | 2.6 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 21 | 1.8 | 23 | 2.2 | 18 | 2.6 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 32 | 1.7 | 36 | 2.6 | 27 | 2.1 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 68 | 1.7 | 68 | 2.1 | 69 | 2.5 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 81 | 1.7 | 81 | 1.8 | 83 | 2.2 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 46 | 1.9 | 48 | 2.4 | 45 | 2.9 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 60 | 1.5 | 61 | 2.4 | 59 | 1.9 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 35 | 1.8 | 38 | 2.8 | 33 | 2.3 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 60 | 1.6 | 59 | 2.0 | 60 | 2.5 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 44 | 2.3 | 46 | 2.5 | 43 | 3.2 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 55 | 1.5 | 56 | 2.3 | 55 | 2.3 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Canada SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 84 | 0.6 | 85 | 1.1 | 83 | 1.0 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 57 | 1.5 | 59 | 1.6 | 55 | 2.1 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 59 | 1.5 | 59 | 2.4 | 58 | 2.4 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 55 | 1.6 | 56 | 1.9 | 53 | 2.5 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 67 | 1.4 | 70 | 1.5 | 63 | 2.2 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 63 | 1.6 | 64 | 1.8 | 63 | 2.7 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 86 | 0.9 | 84 | 1.4 | 88 | 1.5 |
| H01 | No | What happens to water when it boils? | 63 | 1.5 | 64 | 2.2 | 62 | 2.1 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 29 | 2.6 | 35 | 3.6 | 23 | 2.8 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 53 | 2.7 | 49 | 3.8 | 52 | 3.1 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 64 | 2.7 | 65 | 3.6 | 62 | 3.5 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 58 | 2.6 | 62 | 3.5 | 55 | 4.5 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 40 | 2.8 | 42 | 3.4 | 41 | 3.6 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 54 | 2.6 | 55 | 3.5 | 53 | 4.2 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 39 | 3.1 | 37 | 3.8 | 40 | 3.9 |
| P03 | Yes | Which of the following is not used as an energy source? | 33 | 2.0 | 34 | 3.3 | 33 | 3.0 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 19 | 2.8 | 22 | 4.2 | 16 | 2.8 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 33 | 2.4 | 34 | 4.2 | 32 | 3.1 |
| P07 | Yes | Which of the following travels fastest? (light) | 34 | 3.3 | 45 | 5.5 | 26 | 3.1 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 46 | 2.5 | 44 | 3.1 | 46 | 4.1 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 52 | 2.2 | 54 | 2.9 | 49 | 3.4 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 42 | 2.4 | 42 | 3.4 | 43 | 4.1 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 53 | 2.4 | 51 | 3.1 | 55 | 3.1 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 13 | 1.8 | 17 | 2.7 | 10 | 2.0 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 54 | 3.2 | 57 | 4.0 | 50 | 4.6 |
| R08 | Yes | Which of the following makes its own light? | 47 | 2.2 | 52 | 3.5 | 41 | 3.5 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 41 | 2.0 | 45 | 3.0 | 37 | 2.9 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 28 | 1.5 | 26 | 2.2 | 30 | 2.2 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 42 | 2.5 | 43 | 2.1 | 42 | 3.2 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 21 | 1.7 | 25 | 2.4 | 18 | 1.8 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Cyprus SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 46 | 1.2 | 45 | 1.3 | 47 | 1.8 |
| A10 | No | The fossils of dinosaurs can be found where? | 54 | 1.1 | 58 | 1.2 | 50 | 1.6 |
| B02 | No | Shown diagram, where is the saltiest water found? | 80 | 1.1 | 80 | 1.6 | 80 | 1.5 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 46 | 2.0 | 49 | 2.8 | 43 | 2.5 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 57 | 1.5 | 61 | 2.3 | 53 | 2.2 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 72 | 1.4 | 76 | 2.1 | 68 | 2.2 |
| E09 | No | Given several recent floods, when will it flood next? | 34 | 1.5 | 32 | 2.1 | 36 | 2.2 |
| F02 | No | Each year the Earth moves once around which of the following? | 46 | 1.7 | 49 | 2.7 | 42 | 2.4 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 40 | 1.8 | 41 | 2.4 | 39 | 2.2 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 54 | 1.7 | 58 | 2.1 | 50 | 2.5 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 21 | 1.2 | 17 | 1.5 | 25 | 2.1 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 27 | 1.8 | 27 | 2.5 | 28 | 2.1 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 25 | 2.5 | 24 | 3.4 | 26 | 3.3 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 54 | 2.7 | 52 | 4.2 | 56 | 3.9 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 20 | 2.2 | 24 | 3.4 | 15 | 2.7 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 6 | 1.0 | 8 | 1.3 | 4 | 1.0 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 37 | 2.2 | 40 | 2.8 | 34 | 2.9 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 4 | 0.9 | 4 | 1.1 | 3 | 1.0 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Cyprus SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 73 | 0.9 | 72 | 1.3 | 74 | 1.2 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 37 | 1.9 | 38 | 2.2 | 35 | 3.0 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 58 | 1.7 | 58 | 2.2 | 58 | 2.4 |
| O06 | Yes | Write down one example of how computers help people do their work. | 19 | 3.1 | 21 | 3.8 | 17 | 3.2 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 24 | 2.9 | 26 | 3.8 | 22 | 4.2 |
| Q07 | Yes | Which of the following statements is not an observation? | 22 | 2.3 | 20 | 3.2 | 24 | 3.2 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 26 | 2.5 | 28 | 3.3 | 24 | 3.1 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 17 | 1.7 | 20 | 2.4 | 14 | 1.8 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 10 | 1.4 | 12 | 2.0 | 9 | 1.6 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 9 | 1.3 | 11 | 1.9 | 7 | 1.4 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Cyprus SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 32 | 1.2 | 33 | 1.5 | 31 | 1.5 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 39 | 1.7 | 36 | 2.4 | 41 | 2.3 |
| C06 | No | Which animal eats only plants? | 90 | 1.1 | 93 | 1.5 | 89 | 1.7 |
| C08 | No | What gas in the air do we need in order to live? | 84 | 1.4 | 85 | 2.1 | 83 | 1.9 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 57 | 1.4 | 56 | 2.1 | 59 | 2.0 |
| D03 | No | Which of the following animals does not lay eggs? | 70 | 1.7 | 71 | 2.0 | 68 | 2.4 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 34 | 1.7 | 34 | 2.2 | 34 | 2.4 |
| F01 | No | Which of the following plants is grown for food? | 85 | 1.4 | 84 | 1.6 | 85 | 1.8 |
| G05 | No | Where does air go when a person breathes in? | 70 | 1.7 | 73 | 2.3 | 68 | 2.2 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 82 | 1.2 | 81 | 1.6 | 83 | 1.7 |
| H02 | No | How can washing your hands help keep you from getting sick? | 71 | 1.5 | 68 | 2.2 | 73 | 2.3 |
| H04 | No | Which of the following will most likely affect your adult height? | 32 | 1.6 | 32 | 2.0 | 33 | 2.3 |
| N02 | Yes | Which of the following refers only to living things? | 46 | 2.7 | 41 | 3.5 | 51 | 4.3 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 31 | 2.8 | 30 | 3.8 | 31 | 4.1 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 47 | 2.7 | 50 | 4.4 | 43 | 4.1 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 17 | 2.5 | 16 | 2.8 | 18 | 3.7 |
| O02 | Yes | Why did seeds placed on moist cotton sprout, but not those covered with water? | 25 | 2.7 | 26 | 3.6 | 24 | 3.6 |
| O03 | Yes | Shown pictures of the stages of a plant's growth, in which order did they occur? | 49 | 2.9 | 49 | 3.8 | 50 | 4.3 |
| O07 | Yes | Which of the following animal produces milk for its young? | 56 | 3.0 | 58 | 3.8 | 55 | 4.2 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 54 | 2.9 | 55 | 4.0 | 53 | 3.9 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 65 | 2.6 | 68 | 3.8 | 63 | 4.0 |
| P08 | Yes | Birds are different from insects in that birds have... | 23 | 2.4 | 21 | 3.5 | 25 | 3.8 |
| P09 | Yes | Seeds develop from which part of a plant? | 42 | 3.4 | 43 | 4.6 | 41 | 4.3 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 44 | 3.3 | 43 | 4.5 | 45 | 4.3 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 36 | 3.0 | 29 | 3.4 | 42 | 4.1 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 67 | 2.3 | 61 | 3.1 | 73 | 3.3 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 35 | 2.5 | 33 | 3.1 | 38 | 4.0 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 37 | 2.9 | 39 | 3.5 | 35 | 3.8 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 65 | 3.0 | 59 | 4.0 | 71 | 3.4 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 19 | 2.0 | 16 | 2.8 | 22 | 3.2 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 16 | 1.8 | 17 | 2.7 | 14 | 2.8 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 8 | 1.1 | 7 | 1.5 | 8 | 1.6 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 11 | 1.3 | 11 | 1.8 | 12 | 1.8 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 15 | 1.5 | 17 | 1.9 | 12 | 2.1 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 50 | 2.0 | 50 | 3.1 | 50 | 2.6 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 42 | 2.4 | 46 | 3.1 | 40 | 2.7 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 36 | 2.4 | 32 | 3.2 | 39 | 2.6 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 31 | 2.1 | 32 | 2.5 | 29 | 3.0 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 16 | 1.4 | 19 | 2.2 | 14 | 1.8 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 22 | 2.0 | 26 | 2.5 | 19 | 3.0 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 11 | 1.6 | 13 | 1.7 | 9 | 2.5 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 39 | 1.6 | 41 | 2.4 | 38 | 2.6 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Cyprus SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 76 | 0.9 | 78 | 1.2 | 74 | 1.1 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 72 | 1.5 | 75 | 2.2 | 70 | 1.9 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 57 | 1.8 | 57 | 2.3 | 57 | 2.6 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 29 | 1.7 | 27 | 2.0 | 31 | 2.3 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 25 | 1.5 | 26 | 2.0 | 25 | 2.0 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 49 | 1.8 | 50 | 2.5 | 48 | 2.3 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 61 | 1.7 | 62 | 2.2 | 61 | 2.3 |
| H01 | No | What happens to water when it boils? | 69 | 1.7 | 71 | 2.2 | 66 | 2.4 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 27 | 3.2 | 31 | 4.5 | 23 | 3.3 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 29 | 2.7 | 24 | 3.8 | 34 | 3.8 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 46 | 3.0 | 44 | 4.2 | 49 | 4.1 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 39 | 2.7 | 41 | 4.1 | 36 | 4.1 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 21 | 2.3 | 22 | 3.1 | 20 | 3.4 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 42 | 3.0 | 40 | 4.3 | 44 | 4.3 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 46 | 3.3 | 47 | 4.3 | 45 | 4.3 |
| P03 | Yes | Which of the following is not used as an energy source? | 27 | 2.8 | 32 | 4.0 | 23 | 3.6 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 18 | 2.2 | 22 | 3.5 | 14 | 2.7 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 33 | 2.5 | 36 | 3.4 | 31 | 4.2 |
| P07 | Yes | Which of the following travels fastest? (light) | 23 | 2.5 | 23 | 3.3 | 24 | 3.3 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 43 | 2.8 | 40 | 4.2 | 46 | 4.0 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 25 | 2.7 | 26 | 3.4 | 22 | 2.7 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 12 | 1.6 | 11 | 2.1 | 12 | 2.5 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 40 | 3.1 | 39 | 4.5 | 40 | 3.6 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 11 | 1.9 | 13 | 2.5 | 9 | 2.6 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 46 | 2.6 | 46 | 3.4 | 45 | 3.7 |
| R08 | Yes | Which of the following makes its own light? | 49 | 2.5 | 49 | 3.8 | 48 | 3.2 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 27 | 1.9 | 26 | 2.9 | 28 | 3.0 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 13 | 1.3 | 15 | 1.9 | 10 | 1.7 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 17 | 1.8 | 18 | 2.3 | 17 | 2.4 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 10 | 1.2 | 15 | 2.0 | 6 | 1.2 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Czech Republic SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 41 | 1.8 | 44 | 2.0 | 38 | 2.1 |
| A10 | No | The fossils of dinosaurs can be found where? | 76 | 1.0 | 80 | 1.2 | 72 | 1.4 |
| B02 | No | Shown diagram, where is the saltiest water found? | 81 | 1.3 | 83 | 1.5 | 78 | 1.9 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 56 | 1.5 | 62 | 2.2 | 50 | 2.3 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 70 | 1.5 | 71 | 2.2 | 68 | 2.0 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 91 | 0.9 | 92 | 1.3 | 90 | 1.1 |
| E09 | No | Given several recent floods, when will it flood next? | 40 | 1.8 | 40 | 2.4 | 40 | 2.4 |
| F02 | No | Each year the Earth moves once around which of the following? | 67 | 1.6 | 69 | 2.2 | 64 | 2.0 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 61 | 1.6 | 62 | 2.1 | 61 | 2.2 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 78 | 1.4 | 81 | 1.6 | 74 | 2.0 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 27 | 1.5 | 27 | 1.9 | 27 | 2.1 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 44 | 1.9 | 52 | 2.6 | 38 | 2.4 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 44 | 2.9 | 46 | 3.7 | 42 | 3.9 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 56 | 2.7 | 55 | 3.8 | 56 | 3.5 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 42 | 2.4 | 47 | 3.6 | 38 | 3.4 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 20 | 1.7 | 27 | 2.6 | 14 | 1.8 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 37 | 2.0 | 38 | 2.6 | 36 | 2.8 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 18 | 1.8 | 21 | 2.7 | 16 | 1.8 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Czech Republic SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 86 | 0.8 | 84 | 1.2 | 87 | 1.0 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 40 | 1.8 | 40 | 2.1 | 39 | 2.5 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 66 | 1.9 | 64 | 2.6 | 68 | 2.2 |
| O06 | Yes | Write down one example of how computers help people do their work. | 55 | 2.7 | 51 | 3.5 | 59 | 3.7 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 26 | 2.9 | 23 | 3.5 | 29 | 4.0 |
| Q07 | Yes | Which of the following statements is not an observation? | 38 | 2.7 | 41 | 4.0 | 36 | 3.6 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 35 | 2.8 | 35 | 3.8 | 35 | 3.9 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 33 | 1.8 | 35 | 2.6 | 30 | 2.4 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 19 | 1.5 | 21 | 2.1 | 18 | 2.2 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 12 | 1.4 | 12 | 1.9 | 13 | 1.8 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Czech Republic SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 69 | 1.2 | 68 | 1.3 | 69 | 1.5 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 75 | 1.3 | 79 | 1.6 | 71 | 1.9 |
| B04 | No | Where do humans interpret senses? | 45 | 1.7 | 49 | 2.0 | 42 | 2.3 |
| C06 | No | Which animal eats only plants? | 96 | 0.6 | 96 | 1.0 | 95 | 0.8 |
| C08 | No | What gas in the air do we need in order to live? | 80 | 1.3 | 83 | 1.5 | 78 | 1.9 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 61 | 1.5 | 59 | 1.9 | 63 | 2.4 |
| D03 | No | Which of the following animals does not lay eggs? | 80 | 1.4 | 81 | 1.9 | 79 | 1.8 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 49 | 1.8 | 53 | 2.1 | 46 | 2.5 |
| F01 | No | Which of the following plants is grown for food? | 90 | 0.9 | 91 | 1.4 | 90 | 1.1 |
| G05 | No | Where does air go when a person breathes in? | 91 | 0.8 | 92 | 1.1 | 91 | 1.4 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 91 | 1.0 | 90 | 1.3 | 92 | 1.3 |
| H02 | No | How can washing your hands help keep you from getting sick? | 79 | 1.3 | 81 | 1.8 | 77 | 1.7 |
| H04 | No | Which of the following will most likely affect your adult height? | 48 | 1.6 | 48 | 2.0 | 47 | 2.3 |
| N02 | Yes | Which of the following refers only to living things? | 71 | 2.3 | 77 | 3.0 | 65 | 3.7 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 51 | 2.6 | 51 | 4.0 | 51 | 3.8 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 71 | 2.8 | 75 | 3.6 | 66 | 3.8 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 23 | 2.2 | 22 | 3.3 | 24 | 2.9 |
| O02 | Yes | Why did seeds placed on moist cotton sprout, but not those covered with water? | 40 | 3.0 | 41 | 4.2 | 40 | 3.5 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 61 | 2.8 | 60 | 4.1 | 62 | 3.3 |
| O07 | Yes | Which of the following animal produces milk for its young? | 85 | 1.9 | 83 | 3.0 | 87 | 2.7 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 90 | 1.5 | 90 | 2.1 | 91 | 2.3 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 87 | 1.6 | 90 | 2.2 | 84 | 2.5 |
| P08 | Yes | Birds are different from insects in that birds have... | 63 | 2.6 | 66 | 3.4 | 60 | 3.9 |
| P09 | Yes | Seeds develop from which part of a plant? | 65 | 2.5 | 70 | 3.5 | 60 | 3.4 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 65 | 2.9 | 62 | 3.9 | 68 | 3.7 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 75 | 2.1 | 77 | 2.6 | 73 | 3.4 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 74 | 2.3 | 73 | 3.7 | 74 | 3.0 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 30 | 3.0 | 33 | 4.0 | 28 | 3.5 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 73 | 2.1 | 68 | 3.6 | 77 | 2.7 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 79 | 1.9 | 78 | 3.0 | 79 | 3.0 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 47 | 2.5 | 50 | 3.4 | 44 | 3.8 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 52 | 2.9 | 57 | 4.3 | 47 | 3.9 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 31 | 2.0 | 33 | 2.5 | 28 | 2.5 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 23 | 1.5 | 26 | 2.2 | 21 | 2.1 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 39 | 1.9 | 45 | 3.0 | 34 | 2.5 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 60 | 2.0 | 56 | 2.9 | 63 | 2.4 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 73 | 1.8 | 72 | 2.3 | 74 | 2.5 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 55 | 1.9 | 56 | 2.7 | 55 | 2.5 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 44 | 1.8 | 45 | 2.6 | 43 | 2.5 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 20 | 1.6 | 20 | 2.3 | 20 | 2.1 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 46 | 1.9 | 47 | 2.7 | 45 | 2.7 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 29 | 1.8 | 30 | 2.7 | 28 | 2.4 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 53 | 2.1 | 52 | 2.7 | 53 | 3.0 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Czech Republic SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 80 | 1.0 | 81 | 1.3 | 79 | 1.2 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 64 | 1.2 | 68 | 1.7 | 61 | 1.9 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 70 | 1.6 | 70 | 2.2 | 70 | 1.9 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 49 | 1.8 | 49 | 2.6 | 48 | 2.2 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 65 | 1.7 | 70 | 2.0 | 61 | 2.3 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 77 | 1.3 | 77 | 1.9 | 77 | 1.6 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 89 | 1.1 | 87 | 1.3 | 90 | 1.5 |
| H01 | No | What happens to water when it boils? | 74 | 1.7 | 76 | 2.4 | 73 | 2.4 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 33 | 2.5 | 34 | 3.9 | 31 | 3.3 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 52 | 3.0 | 52 | 4.1 | 52 | 3.8 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 46 | 2.9 | 47 | 4.2 | 45 | 3.9 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 54 | 2.5 | 55 | 4.4 | 52 | 3.7 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 49 | 2.9 | 56 | 4.1 | 44 | 3.7 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 51 | 2.6 | 53 | 3.5 | 49 | 3.7 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 46 | 2.9 | 54 | 3.9 | 39 | 3.5 |
| P03 | Yes | Which of the following is not used as an energy source? | 24 | 2.0 | 24 | 3.1 | 25 | 3.2 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 36 | 2.5 | 38 | 3.5 | 34 | 3.2 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 42 | 2.7 | 49 | 3.3 | 36 | 3.8 |
| P07 | Yes | Which of the following travels fastest? (light) | 38 | 2.5 | 52 | 3.7 | 23 | 3.2 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 47 | 2.9 | 47 | 3.9 | 46 | 3.6 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 80 | 1.7 | 86 | 2.3 | 75 | 3.0 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 44 | 2.8 | 46 | 3.5 | 43 | 4.2 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 42 | 2.7 | 41 | 3.9 | 42 | 3.7 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 22 | 2.5 | 31 | 4.2 | 13 | 2.7 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 43 | 2.3 | 38 | 3.3 | 46 | 3.3 |
| R08 | Yes | Which of the following makes its own light? | 62 | 2.7 | 69 | 4.0 | 55 | 3.4 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 40 | 2.5 | 44 | 3.7 | 37 | 4.0 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 36 | 2.3 | 41 | 2.9 | 30 | 3.0 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 22 | 1.8 | 24 | 2.5 | 21 | 2.4 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 18 | 1.6 | 21 | 2.0 | 14 | 2.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Greece SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 49 | 1.9 | 52 | 2.3 | 45 | 2.1 |
| A10 | No | The fossils of dinosaurs can be found where? | 61 | 1.4 | 64 | 1.9 | 59 | 1.7 |
| B02 | No | Shown diagram, where is the saltiest water found? | 55 | 1.8 | 57 | 2.3 | 54 | 2.5 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 34 | 1.7 | 39 | 2.4 | 30 | 2.2 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 61 | 2.0 | 63 | 2.2 | 59 | 2.9 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 96 | 0.6 | 96 | 0.8 | 97 | 0.8 |
| E09 | No | Given several recent floods, when will it flood next? | 27 | 1.8 | 24 | 2.3 | 31 | 2.6 |
| F02 | No | Each year the Earth moves once around which of the following? | 75 | 2.5 | 80 | 2.8 | 70 | 2.9 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 54 | 2.5 | 54 | 3.4 | 54 | 2.7 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 48 | 2.3 | 54 | 3.1 | 43 | 2.8 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 25 | 1.6 | 22 | 2.5 | 27 | 1.8 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 31 | 2.1 | 33 | 3.0 | 28 | 2.5 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 17 | 2.0 | 19 | 3.0 | 14 | 2.6 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 65 | 4.0 | 66 | 6.8 | 65 | 3.8 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 18 | 2.4 | 19 | 3.6 | 17 | 3.2 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 9 | 1.5 | 10 | 2.0 | 8 | 1.9 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 40 | 2.7 | 38 | 3.4 | 42 | 3.5 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 8 | 1.3 | 8 | 1.5 | 8 | 1.7 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Greece SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 75 | 1.2 | 73 | 1.6 | 76 | 1.4 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 38 | 1.6 | 37 | 2.6 | 38 | 2.3 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 58 | 2.4 | 59 | 3.3 | 58 | 2.8 |
| O06 | Yes | Write down one example of how computers help people do their work. | 29 | 5.3 | 37 | 8.6 | 21 | 4.4 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 21 | 2.2 | 21 | 3.5 | 21 | 3.0 |
| Q07 | Yes | Which of the following statements is not an observation? | 27 | 3.0 | 22 | 3.8 | 34 | 4.4 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 24 | 2.3 | 24 | 3.8 | 23 | 3.0 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 17 | 1.8 | 19 | 2.9 | 14 | 2.2 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 14 | 1.6 | 16 | 2.4 | 11 | 1.8 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 14 | 1.7 | 15 | 2.6 | 14 | 1.9 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Greece SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 55 | 1.6 | 56 | 1.9 | 54 | 1.9 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 71 | 1.6 | 70 | 2.0 | 73 | 2.1 |
| B04 | No | Where do humans interpret senses? | 29 | 1.6 | 31 | 2.2 | 28 | 2.2 |
| C06 | No | Which animal eats only plants? | 91 | 1.1 | 93 | 1.3 | 90 | 1.7 |
| C08 | No | What gas in the air do we need in order to live? | 82 | 1.3 | 84 | 1.8 | 81 | 2.2 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 58 | 1.9 | 62 | 2.4 | 54 | 2.8 |
| D03 | No | Which of the following animals does not lay eggs? | 84 | 1.5 | 85 | 1.9 | 83 | 2.0 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 35 | 2.3 | 35 | 2.7 | 35 | 2.9 |
| F01 | No | Which of the following plants is grown for food? | 88 | 1.1 | 90 | 1.6 | 87 | 1.5 |
| G05 | No | Where does air go when a person breathes in? | 75 | 1.8 | 74 | 2.4 | 76 | 2.3 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 86 | 1.4 | 84 | 1.9 | 87 | 1.7 |
| H02 | No | How can washing your hands help keep you from getting sick? | 83 | 1.4 | 82 | 2.0 | 85 | 1.8 |
| H04 | No | Which of the following will most likely affect your adult height? | 52 | 2.2 | 52 | 3.4 | 51 | 2.2 |
| N02 | Yes | Which of the following refers only to living things? | 46 | 2.9 | 53 | 3.9 | 37 | 4.7 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 39 | 3.0 | 45 | 4.6 | 31 | 3.5 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 71 | 2.8 | 76 | 3.7 | 66 | 3.8 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 38 | 3.0 | 44 | 4.4 | 31 | 3.9 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 24 | 3.8 | 24 | 5.9 | 24 | 4.0 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 48 | 4.6 | 55 | 6.9 | 40 | 4.5 |
| O07 | Yes | Which of the following animal produces milk for its young? | 61 | 4.2 | 65 | 5.8 | 56 | 4.8 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 52 | 3.4 | 54 | 4.4 | 49 | 4.2 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 77 | 3.3 | 78 | 4.4 | 76 | 3.9 |
| P08 | Yes | Birds are different from insects in that birds have... | 45 | 2.9 | 44 | 4.6 | 46 | 4.2 |
| P09 | Yes | Seeds develop from which part of a plant? | 28 | 3.0 | 29 | 4.3 | 27 | 3.9 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 38 | 2.9 | 33 | 4.1 | 44 | 4.7 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 41 | 2.7 | 42 | 3.4 | 41 | 4.6 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 66 | 2.9 | 65 | 3.9 | 67 | 3.3 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 28 | 2.6 | 28 | 3.8 | 27 | 3.9 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 45 | 3.4 | 41 | 4.1 | 50 | 4.8 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 63 | 2.8 | 60 | 4.2 | 67 | 3.8 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 52 | 3.3 | 51 | 4.1 | 54 | 4.6 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 17 | 2.2 | 16 | 2.7 | 20 | 3.4 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 16 | 1.6 | 19 | 2.4 | 13 | 2.2 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 15 | 1.5 | 16 | 2.2 | 15 | 2.1 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 33 | 2.2 | 40 | 3.0 | 26 | 2.9 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 47 | 3.0 | 48 | 4.4 | 46 | 3.5 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 68 | 2.6 | 72 | 3.4 | 63 | 3.1 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 48 | 2.8 | 50 | 4.4 | 45 | 3.3 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 52 | 2.7 | 52 | 4.3 | 52 | 3.1 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 23 | 2.1 | 21 | 3.2 | 25 | 2.6 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 38 | 2.7 | 42 | 4.1 | 35 | 2.9 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 21 | 1.8 | 19 | 2.5 | 23 | 2.8 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 48 | 2.5 | 45 | 3.3 | 51 | 3.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Greece SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 81 | 1.1 | 83 | 1.5 | 79 | 1.5 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 63 | 1.9 | 69 | 2.1 | 56 | 2.4 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 53 | 1.6 | 51 | 2.3 | 54 | 2.5 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 48 | 2.1 | 50 | 2.8 | 46 | 2.5 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 35 | 2.0 | 36 | 2.8 | 34 | 2.7 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 57 | 2.5 | 61 | 3.2 | 53 | 2.8 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 69 | 1.7 | 70 | 2.1 | 69 | 2.5 |
| H01 | No | What happens to water when it boils? | 84 | 2.0 | 83 | 2.8 | 85 | 1.9 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 28 | 2.9 | 30 | 4.4 | 27 | 4.0 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 31 | 3.2 | 29 | 4.1 | 32 | 4.5 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 39 | 3.1 | 38 | 4.4 | 39 | 4.4 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 36 | 3.4 | 43 | 4.1 | 29 | 4.3 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 22 | 4.8 | 24 | 8.4 | 19 | 4.0 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 41 | 4.3 | 42 | 7.0 | 41 | 4.3 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 41 | 4.4 | 49 | 7.1 | 33 | 3.9 |
| P03 | Yes | Which of the following is not used as an energy source? | 31 | 2.7 | 31 | 3.4 | 32 | 4.2 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 24 | 2.6 | 25 | 3.0 | 23 | 3.6 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 21 | 2.7 | 22 | 3.7 | 21 | 3.5 |
| P07 | Yes | Which of the following travels fastest? (light) | 21 | 2.6 | 25 | 3.9 | 17 | 3.5 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 46 | 2.9 | 49 | 3.9 | 41 | 4.9 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 20 | 2.2 | 21 | 3.3 | 19 | 3.0 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 18 | 2.6 | 19 | 3.8 | 16 | 3.2 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 40 | 2.8 | 41 | 3.6 | 39 | 4.6 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 16 | 2.4 | 18 | 3.5 | 14 | 3.0 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 43 | 2.9 | 46 | 3.9 | 39 | 4.4 |
| R08 | Yes | Which of the following makes its own light? | 41 | 3.1 | 42 | 4.4 | 40 | 3.4 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 26 | 2.5 | 21 | 3.3 | 32 | 3.8 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 14 | 1.7 | 14 | 2.2 | 14 | 2.2 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 26 | 3.1 | 30 | 5.1 | 21 | 2.6 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 21 | 2.0 | 23 | 2.8 | 19 | 2.3 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Hong Kong SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 57 | 1.7 | 64 | 1.6 | 48 | 2.1 |
| A10 | No | The fossils of dinosaurs can be found where? | 86 | 0.7 | 88 | 0.9 | 83 | 1.0 |
| B02 | No | Shown diagram, where is the saltiest water found? | 67 | 1.6 | 72 | 1.9 | 62 | 1.9 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 66 | 1.8 | 66 | 2.2 | 66 | 2.5 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 70 | 1.5 | 73 | 1.7 | 66 | 2.4 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 75 | 1.4 | 80 | 1.8 | 69 | 1.8 |
| E09 | No | Given several recent floods, when will it flood next? | 34 | 1.3 | 33 | 1.7 | 36 | 1.6 |
| F02 | No | Each year the Earth moves once around which of the following? | 67 | 1.3 | 68 | 2.0 | 65 | 2.0 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 57 | 1.8 | 56 | 2.5 | 59 | 2.1 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 86 | 0.9 | 89 | 1.0 | 82 | 1.6 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 16 | 1.3 | 16 | 1.8 | 17 | 2.0 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 29 | 1.6 | 33 | 2.0 | 24 | 2.5 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 49 | 2.6 | 51 | 3.0 | 48 | 3.9 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 85 | 1.5 | 86 | 1.8 | 83 | 2.6 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 27 | 2.4 | 29 | 2.9 | 24 | 5.0 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 21 | 1.7 | 25 | 2.0 | 17 | 2.9 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 45 | 2.3 | 44 | 2.7 | 45 | 3.1 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 4 | 0.6 | 4 | 0.9 | 4 | 0.9 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Hong Kong SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 72 | 0.9 | 72 | 1.2 | 72 | 1.2 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 34 | 1.2 | 37 | 1.8 | 31 | 1.7 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 63 | 1.9 | 64 | 2.3 | 62 | 2.4 |
| O06 | Yes | Write down one example of how computers help people do their work. | 48 | 2.7 | 46 | 3.3 | 50 | 4.3 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 25 | 1.8 | 27 | 2.3 | 24 | 3.3 |
| Q07 | Yes | Which of the following statements is not an observation? | 35 | 2.6 | 34 | 3.8 | 36 | 4.3 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 47 | 2.6 | 45 | 4.5 | 50 | 3.7 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 24 | 1.4 | 26 | 1.9 | 21 | 2.3 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 17 | 1.2 | 20 | 1.6 | 15 | 1.8 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 3 | 0.5 | 3 | 0.7 | 4 | 0.8 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Hong Kong SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 56 | 0.8 | 57 | 1.0 | 57 | 1.4 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 53 | 1.5 | 56 | 1.7 | 49 | 1.9 |
| B04 | No | Where do humans interpret senses? | 76 | 1.3 | 77 | 1.4 | 75 | 2.0 |
| C06 | No | Which animal eats only plants? | 93 | 1.0 | 93 | 1.5 | 93 | 1.2 |
| C08 | No | What gas in the air do we need in order to live? | 49 | 1.7 | 52 | 2.2 | 44 | 2.0 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 71 | 1.5 | 68 | 2.0 | 76 | 1.9 |
| D03 | No | Which of the following animals does not lay eggs? | 83 | 1.3 | 84 | 1.4 | 82 | 1.7 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 55 | 1.6 | 57 | 1.9 | 52 | 2.1 |
| F01 | No | Which of the following plants is grown for food? | 94 | 0.6 | 94 | 0.9 | 94 | 0.9 |
| G05 | No | Where does air go when a person breathes in? | 60 | 2.1 | 62 | 2.2 | 57 | 3.4 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 76 | 1.3 | 77 | 1.9 | 75 | 1.8 |
| H02 | No | How can washing your hands help keep you from getting sick? | 93 | 0.8 | 92 | 0.9 | 94 | 1.0 |
| H04 | No | Which of the following will most likely affect your adult height? | 34 | 1.2 | 36 | 1.7 | 31 | 2.3 |
| N02 | Yes | Which of the following refers only to living things? | 73 | 1.9 | 75 | 2.7 | 71 | 3.1 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 48 | 3.1 | 54 | 4.9 | 41 | 3.7 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 55 | 2.6 | 57 | 3.8 | 52 | 3.1 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 29 | 2.4 | 33 | 3.7 | 23 | 3.1 |
| O02 | Yes | Why did seeds placed on moist cotton sprout, but not those covered with water? | 27 | 3.1 | 28 | 2.9 | 26 | 5.0 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 83 | 1.7 | 85 | 2.1 | 80 | 2.8 |
| O07 | Yes | Which of the following animal produces milk for its young? | 68 | 2.5 | 72 | 2.8 | 64 | 4.2 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 92 | 1.4 | 93 | 2.0 | 92 | 2.1 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 96 | 0.9 | 98 | 0.8 | 95 | 1.7 |
| P08 | Yes | Birds are different from insects in that birds have... | 23 | 2.3 | 27 | 2.9 | 18 | 2.9 |
| P09 | Yes | Seeds develop from which part of a plant? | 47 | 2.4 | 53 | 2.7 | 39 | 3.8 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 68 | 2.4 | 74 | 2.9 | 61 | 3.9 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 75 | 2.1 | 75 | 3.0 | 75 | 3.5 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 81 | 2.1 | 79 | 2.9 | 85 | 2.6 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 52 | 2.3 | 50 | 2.9 | 54 | 3.9 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 41 | 2.6 | 41 | 3.7 | 40 | 3.6 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 76 | 2.2 | 76 | 3.1 | 76 | 2.9 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 24 | 1.9 | 24 | 2.4 | 25 | 3.5 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 46 | 2.3 | 47 | 2.6 | 45 | 4.2 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 6 | 0.9 | 6 | 0.9 | 7 | 1.5 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 23 | 1.7 | 23 | 2.2 | 23 | 2.3 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 53 | 2.5 | 53 | 3.4 | 54 | 2.7 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 55 | 2.3 | 53 | 3.2 | 58 | 3.2 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 93 | 0.8 | 93 | 1.0 | 93 | 1.4 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 55 | 1.9 | 55 | 2.1 | 54 | 2.8 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 54 | 2.0 | 52 | 2.3 | 56 | 3.5 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 27 | 1.7 | 27 | 2.2 | 27 | 2.8 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 35 | 1.9 | 36 | 2.3 | 34 | 3.0 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 26 | 1.8 | 28 | 2.2 | 23 | 2.4 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 91 | 0.9 | 92 | 1.1 | 90 | 1.6 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Hong Kong SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 83 | 1.0 | 84 | 1.1 | 82 | 1.4 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 65 | 1.4 | 66 | 1.9 | 63 | 1.8 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 68 | 1.7 | 67 | 2.2 | 69 | 2.3 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 58 | 1.9 | 58 | 2.2 | 57 | 2.7 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 53 | 1.6 | 53 | 2.0 | 52 | 2.0 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 48 | 2.0 | 52 | 2.3 | 44 | 2.8 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 89 | 0.9 | 90 | 1.2 | 88 | 1.2 |
| H01 | No | What happens to water when it boils? | 70 | 1.8 | 71 | 2.1 | 69 | 2.4 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 33 | 2.4 | 33 | 3.5 | 33 | 3.6 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 52 | 3.3 | 51 | 4.5 | 53 | 3.3 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 38 | 2.7 | 42 | 4.6 | 33 | 3.1 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 75 | 2.2 | 77 | 2.3 | 73 | 3.3 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 31 | 2.3 | 32 | 2.6 | 31 | 4.1 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 61 | 2.2 | 62 | 3.1 | 60 | 3.7 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 39 | 2.9 | 45 | 3.2 | 32 | 4.2 |
| P03 | Yes | Which of the following is not used as an energy source? | 21 | 2.0 | 23 | 3.1 | 20 | 2.7 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 27 | 2.5 | 28 | 3.2 | 26 | 3.5 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 47 | 2.5 | 45 | 3.6 | 50 | 4.2 |
| P07 | Yes | Which of the following travels fastest? (light) | 28 | 2.0 | 37 | 3.4 | 16 | 2.8 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 38 | 1.9 | 36 | 2.6 | 39 | 3.4 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 46 | 2.4 | 47 | 3.9 | 44 | 3.6 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 51 | 2.3 | 52 | 3.4 | 50 | 3.6 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 62 | 2.6 | 67 | 2.7 | 55 | 4.4 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 19 | 1.9 | 25 | 2.9 | 11 | 1.8 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 60 | 3.2 | 59 | 3.8 | 61 | 3.6 |
| R08 | Yes | Which of the following makes its own light? | 39 | 3.5 | 43 | 4.9 | 35 | 3.3 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 42 | 2.5 | 46 | 3.2 | 37 | 3.5 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 28 | 2.2 | 26 | 2.7 | 30 | 3.2 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 18 | 1.6 | 16 | 1.8 | 20 | 2.1 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 41 | 2.2 | 42 | 2.8 | 40 | 2.9 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Hungary SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 51 | 1.5 | 58 | 1.8 | 45 | 1.8 |
| A10 | No | The fossils of dinosaurs can be found where? | 53 | 1.6 | 54 | 2.2 | 52 | 1.6 |
| B02 | No | Shown diagram, where is the saltiest water found? | 78 | 1.3 | 78 | 2.0 | 76 | 1.7 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 33 | 1.5 | 39 | 2.6 | 28 | 1.9 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 62 | 1.9 | 62 | 2.8 | 62 | 2.1 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 86 | 1.0 | 89 | 1.4 | 83 | 2.0 |
| E09 | No | Given several recent floods, when will it flood next? | 45 | 1.6 | 46 | 2.1 | 45 | 2.7 |
| F02 | No | Each year the Earth moves once around which of the following? | 61 | 1.9 | 64 | 2.1 | 59 | 2.6 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 44 | 1.9 | 46 | 2.4 | 43 | 2.8 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 71 | 1.7 | 74 | 2.3 | 68 | 2.2 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 23 | 1.4 | 25 | 2.1 | 21 | 2.0 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 24 | 1.8 | 30 | 2.5 | 19 | 1.9 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 31 | 2.4 | 31 | 3.7 | 33 | 3.9 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 50 | 2.7 | 55 | 4.0 | 47 | 4.3 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 51 | 2.7 | 52 | 4.0 | 51 | 4.2 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 16 | 1.5 | 19 | 2.4 | 13 | 1.9 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 50 | 1.9 | 53 | 2.7 | 47 | 2.5 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 23 | 1.8 | 24 | 2.5 | 23 | 2.3 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Hungary SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 84 | 1.0 | 84 | 1.1 | 85 | 1.3 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 24 | 1.4 | 28 | 2.1 | 21 | 1.9 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 71 | 1.5 | 70 | 2.2 | 74 | 2.0 |
| O06 | Yes | Write down one example of how computers help people do their work. | 46 | 2.2 | 47 | 3.1 | 45 | 4.0 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 21 | 2.0 | 23 | 2.9 | 18 | 2.9 |
| Q07 | Yes | Which of the following statements is not an observation? | 34 | 2.7 | 33 | 3.8 | 36 | 3.7 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 29 | 2.4 | 26 | 3.5 | 31 | 3.2 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 25 | 1.9 | 24 | 2.2 | 25 | 2.7 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 15 | 1.5 | 14 | 1.9 | 15 | 2.3 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 15 | 1.8 | 15 | 3.0 | 15 | 2.0 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Hungary SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 60 | 1.4 | 60 | 1.6 | 61 | 1.6 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 44 | 1.6 | 45 | 2.3 | 43 | 2.2 |
| B04 | No | Where do humans interpret senses? | 60 | 1.6 | 61 | 1.9 | 60 | 2.3 |
| C06 | No | Which animal eats only plants? | 89 | 0.8 | 90 | 1.2 | 89 | 1.3 |
| C08 | No | What gas in the air do we need in order to live? | 82 | 1.3 | 83 | 1.8 | 83 | 1.8 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 60 | 1.2 | 62 | 1.9 | 59 | 2.1 |
| D03 | No | Which of the following animals does not lay eggs? | 73 | 1.4 | 71 | 2.3 | 75 | 1.9 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 50 | 1.6 | 53 | 2.6 | 47 | 2.2 |
| F01 | No | Which of the following plants is grown for food? | 77 | 1.4 | 77 | 1.8 | 78 | 1.7 |
| G05 | No | Where does air go when a person breathes in? | 82 | 1.5 | 81 | 1.9 | 82 | 2.5 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 84 | 1.4 | 85 | 1.8 | 83 | 2.1 |
| H02 | No | How can washing your hands help keep you from getting sick? | 74 | 1.4 | 71 | 2.1 | 77 | 1.8 |
| H04 | No | Which of the following will most likely affect your adult height? | 42 | 1.5 | 42 | 2.1 | 42 | 2.0 |
| N02 | Yes | Which of the following refers only to living things? | 56 | 2.8 | 51 | 4.0 | 62 | 3.2 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 33 | 2.8 | 34 | 4.0 | 31 | 3.7 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 57 | 2.9 | 55 | 4.5 | 59 | 4.0 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 38 | 2.8 | 40 | 5.1 | 36 | 3.2 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 34 | 2.1 | 31 | 3.2 | 37 | 3.9 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 49 | 2.9 | 46 | 3.9 | 54 | 4.5 |
| O07 | Yes | Which of the following animal produces milk for its young? | 84 | 1.8 | 84 | 2.7 | 85 | 2.8 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 79 | 2.6 | 80 | 3.1 | 79 | 3.8 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 81 | 2.5 | 87 | 2.8 | 77 | 3.9 |
| P08 | Yes | Birds are different from insects in that birds have... | 95 | 1.8 | 93 | 3.0 | 97 | 2.0 |
| P09 | Yes | Seeds develop from which part of a plant? | 45 | 2.6 | 50 | 4.3 | 40 | 3.9 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 52 | 2.7 | 53 | 3.9 | 51 | 4.2 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 66 | 2.9 | 66 | 3.7 | 64 | 3.9 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 65 | 2.7 | 61 | 3.8 | 68 | 3.8 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 23 | 2.6 | 26 | 3.4 | 21 | 3.2 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 66 | 2.7 | 63 | 3.8 | 68 | 3.8 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 60 | 2.8 | 64 | 3.6 | 57 | 3.6 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 41 | 2.9 | 43 | 4.3 | 39 | 3.6 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 45 | 2.8 | 43 | 3.9 | 46 | 3.7 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 20 | 2.0 | 24 | 2.6 | 16 | 2.3 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 13 | 1.3 | 14 | 1.8 | 12 | 1.9 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 21 | 1.7 | 22 | 2.1 | 21 | 2.6 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 51 | 2.3 | 43 | 2.9 | 58 | 2.7 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 63 | 2.3 | 61 | 2.6 | 66 | 3.0 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 44 | 1.9 | 43 | 2.8 | 45 | 2.8 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 44 | 2.2 | 48 | 2.8 | 40 | 2.9 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 31 | 2.5 | 32 | 2.9 | 31 | 3.1 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 39 | 2.2 | 42 | 3.1 | 37 | 2.5 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 34 | 2.2 | 38 | 2.8 | 31 | 2.8 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 56 | 2.2 | 58 | 2.9 | 57 | 2.8 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Hungary SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 79 | 1.2 | 81 | 1.6 | 78 | 1.5 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 67 | 1.4 | 68 | 2.0 | 66 | 1.9 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 62 | 1.9 | 60 | 2.3 | 65 | 2.5 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 67 | 1.5 | 69 | 2.1 | 65 | 2.2 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 65 | 1.7 | 65 | 2.4 | 66 | 2.4 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 85 | 1.4 | 85 | 1.9 | 86 | 1.9 |
| H01 | No | What happens to water when it boils? | 78 | 1.4 | 80 | 1.8 | 75 | 2.1 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 31 | 2.6 | 33 | 3.7 | 29 | 3.6 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 28 | 2.2 | 24 | 3.4 | 31 | 3.2 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 62 | 2.7 | 58 | 4.8 | 66 | 3.5 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 53 | 2.7 | 60 | 3.9 | 48 | 3.6 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 29 | 2.7 | 34 | 4.0 | 23 | 3.3 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 52 | 2.9 | 54 | 3.8 | 51 | 4.1 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 44 | 3.1 | 51 | 3.9 | 38 | 3.9 |
| P03 | Yes | Which of the following is not used as an energy source? | 30 | 2.5 | 33 | 4.1 | 28 | 3.7 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 26 | 2.7 | 29 | 3.9 | 24 | 3.3 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 56 | 2.7 | 60 | 3.9 | 54 | 3.9 |
| P07 | Yes | Which of the following travels fastest? (light) | 34 | 2.6 | 44 | 4.2 | 25 | 3.3 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 64 | 2.9 | 66 | 3.8 | 64 | 4.1 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 64 | 2.7 | 69 | 3.8 | 60 | 3.7 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 46 | 2.8 | 46 | 4.0 | 46 | 3.9 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 44 | 2.8 | 43 | 3.6 | 43 | 4.2 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 16 | 1.8 | 22 | 3.0 | 11 | 2.1 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 22 | 2.1 | 21 | 3.1 | 25 | 2.9 |
| R08 | Yes | Which of the following makes its own light? | 61 | 3.2 | 60 | 3.8 | 61 | 4.7 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 32 | 2.6 | 34 | 3.9 | 30 | 3.5 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 20 | 1.6 | 20 | 2.1 | 21 | 2.1 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 19 | 1.6 | 16 | 2.0 | 23 | 2.4 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 17 | 1.5 | 19 | 2.1 | 16 | 1.9 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Iceland SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 55 | 1.8 | 58 | 2.3 | 53 | 2.0 |
| A10 | No | The fossils of dinosaurs can be found where? | 66 | 1.6 | 71 | 1.9 | 60 | 2.4 |
| B02 | No | Shown diagram, where is the saltiest water found? | 66 | 1.9 | 69 | 2.8 | 64 | 2.6 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 30 | 2.1 | 32 | 2.7 | 28 | 2.7 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 60 | 2.1 | 61 | 3.0 | 59 | 2.7 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 89 | 1.1 | 91 | 1.9 | 88 | 1.7 |
| E09 | No | Given several recent floods, when will it flood next? | 32 | 2.4 | 26 | 2.8 | 39 | 3.3 |
| F02 | No | Each year the Earth moves once around which of the following? | 63 | 2.3 | 62 | 3.4 | 64 | 2.6 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 45 | 2.4 | 45 | 3.2 | 44 | 3.1 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 48 | 1.9 | 51 | 2.5 | 45 | 3.7 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 20 | 2.1 | 17 | 2.8 | 22 | 2.9 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 43 | 2.2 | 44 | 2.6 | 42 | 4.2 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 25 | 3.2 | 29 | 6.0 | 21 | 4.5 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 63 | 3.7 | 63 | 4.9 | 63 | 6.5 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 28 | 2.9 | 34 | 4.0 | 22 | 3.8 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 21 | 2.3 | 26 | 3.5 | 15 | 2.7 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 26 | 2.8 | 29 | 3.8 | 22 | 3.0 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 6 | 1.2 | 6 | 1.7 | 5 | 1.6 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Iceland SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 73 | 1.4 | 73 | 1.9 | 74 | 1.9 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 30 | 1.9 | 31 | 2.8 | 30 | 3.5 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 51 | 2.1 | 51 | 3.2 | 50 | 3.4 |
| O06 | Yes | Write down one example of how computers help people do their work. | 37 | 3.8 | 37 | 4.6 | 37 | 4.8 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 30 | 2.7 | 27 | 4.2 | 33 | 4.7 |
| Q07 | Yes | Which of the following statements is not an observation? | 19 | 2.5 | 23 | 4.4 | 15 | 3.3 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 26 | 3.5 | 24 | 4.3 | 28 | 4.9 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 23 | 2.3 | 22 | 3.1 | 24 | 3.3 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 12 | 1.7 | 11 | 2.0 | 12 | 2.8 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 6 | 1.2 | 6 | 2.0 | 7 | 1.8 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Iceland SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 48 | 1.6 | 49 | 1.9 | 48 | 2.3 |
| B04 | No | Where do humans interpret senses? | 57 | 1.7 | 55 | 2.3 | 58 | 2.4 |
| C06 | No | Which animal eats only plants? | 77 | 2.1 | 76 | 3.0 | 77 | 2.9 |
| C08 | No | What gas in the air do we need in order to live? | 80 | 2.0 | 78 | 2.6 | 81 | 2.8 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 59 | 2.2 | 59 | 2.7 | 60 | 3.2 |
| D03 | No | Which of the following animals does not lay eggs? | 80 | 1.7 | 78 | 2.2 | 81 | 2.4 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 46 | 2.0 | 48 | 2.4 | 44 | 3.4 |
| F01 | No | Which of the following plants is grown for food? | 73 | 1.9 | 74 | 3.0 | 72 | 3.0 |
| G05 | No | Where does air go when a person breathes in? | 71 | 2.5 | 75 | 2.7 | 67 | 3.9 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 77 | 1.2 | 74 | 2.5 | 80 | 2.1 |
| H02 | No | How can washing your hands help keep you from getting sick? | 68 | 2.0 | 68 | 2.4 | 68 | 3.1 |
| H04 | No | Which of the following will most likely affect your adult height? | 48 | 2.5 | 43 | 3.5 | 54 | 3.0 |
| N02 | Yes | Which of the following refers only to living things? | 55 | 2.9 | 57 | 3.8 | 53 | 4.9 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 38 | 2.9 | 45 | 4.2 | 33 | 4.2 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 70 | 3.6 | 69 | 4.7 | 70 | 5.1 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 39 | 3.1 | 38 | 3.7 | 40 | 4.8 |
| O02 | Yes | Why did seeds placed on moist cotton sprout, but not those covered with water? | 26 | 3.5 | 22 | 4.3 | 32 | 6.2 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 41 | 3.5 | 44 | 4.6 | 37 | 6.5 |
| O07 | Yes | Which of the following animal produces milk for its young? | 39 | 3.2 | 34 | 4.0 | 45 | 4.2 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 65 | 3.9 | 63 | 5.3 | 67 | 5.3 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 83 | 2.4 | 87 | 3.0 | 79 | 4.9 |
| P08 | Yes | Birds are different from insects in that birds have... | 43 | 4.0 | 36 | 5.0 | 49 | 6.0 |
| P09 | Yes | Seeds develop from which part of a plant? | 28 | 4.7 | 32 | 4.7 | 24 | 5.8 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 30 | 3.4 | 30 | 5.4 | 30 | 4.7 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 56 | 4.2 | 62 | 5.7 | 50 | 6.6 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 56 | 4.5 | 51 | 6.3 | 61 | 5.7 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 19 | 2.8 | 23 | 4.2 | 15 | 3.7 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 46 | 4.3 | 49 | 5.7 | 42 | 5.1 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 55 | 3.3 | 58 | 4.8 | 53 | 5.1 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 26 | 3.3 | 31 | 4.4 | 22 | 4.3 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 35 | 3.4 | 41 | 5.7 | 29 | 4.3 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 21 | 2.9 | 21 | 3.9 | 20 | 3.7 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 7 | 1.2 | 9 | 2.0 | 5 | 1.6 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 24 | 2.4 | 25 | 3.5 | 24 | 3.1 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 44 | 2.8 | 42 | 4.1 | 46 | 3.6 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 47 | 3.0 | 44 | 3.4 | 50 | 4.0 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 35 | 2.9 | 37 | 4.8 | 33 | 3.7 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 43 | 3.0 | 44 | 4.3 | 42 | 4.2 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 18 | 2.4 | 23 | 3.2 | 13 | 2.8 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 33 | 2.3 | 37 | 3.9 | 30 | 3.4 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 17 | 1.9 | 19 | 2.2 | 15 | 2.7 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 22 | 2.4 | 26 | 3.5 | 18 | 3.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Iceland SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 76 | 1.4 | 77 | 1.9 | 76 | 1.7 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 60 | 2.3 | 65 | 3.0 | 55 | 2.9 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 48 | 2.7 | 44 | 3.4 | 52 | 3.6 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 59 | 2.0 | 56 | 2.1 | 61 | 3.4 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 49 | 2.3 | 52 | 3.5 | 46 | 3.0 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 48 | 2.1 | 51 | 3.9 | 46 | 3.1 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 78 | 1.7 | 76 | 2.8 | 79 | 2.3 |
| H01 | No | What happens to water when it boils? | 62 | 2.2 | 64 | 3.3 | 60 | 2.7 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 30 | 4.1 | 31 | 5.6 | 29 | 4.8 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 60 | 3.2 | 53 | 4.4 | 65 | 4.1 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 28 | 3.9 | 30 | 5.1 | 26 | 4.5 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 59 | 4.1 | 59 | 5.4 | 58 | 5.2 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 38 | 3.6 | 50 | 6.0 | 25 | 5.0 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 50 | 4.0 | 52 | 5.2 | 48 | 5.6 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 28 | 3.4 | 28 | 5.1 | 28 | 5.9 |
| P03 | Yes | Which of the following is not used as an energy source? | 29 | 3.8 | 33 | 5.3 | 24 | 4.5 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 18 | 2.8 | 24 | 4.2 | 12 | 3.8 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 24 | 3.4 | 27 | 5.1 | 21 | 4.7 |
| P07 | Yes | Which of the following travels fastest? (light) | 26 | 3.8 | 34 | 6.0 | 17 | 4.6 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 32 | 3.1 | 35 | 4.9 | 29 | 4.6 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 38 | 3.3 | 47 | 4.4 | 30 | 5.6 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 39 | 3.9 | 46 | 6.2 | 32 | 4.3 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 32 | 4.1 | 34 | 6.2 | 29 | 6.3 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 10 | 1.7 | 14 | 3.6 | 5 | 2.5 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 24 | 3.6 | 28 | 6.0 | 21 | 4.9 |
| R08 | Yes | Which of the following makes its own light? | 41 | 3.9 | 43 | 6.4 | 39 | 4.7 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 36 | 4.5 | 41 | 6.5 | 32 | 5.6 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 5 | 1.2 | 5 | 1.8 | 5 | 1.4 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 8 | 1.9 | 7 | 2.2 | 10 | 2.7 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 14 | 2.6 | 21 | 3.9 | 7 | 2.3 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Iran, Islamic Rep. SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 25 | 1.2 | 29 | 1.8 | 22 | 1.4 |
| A10 | No | The fossils of dinosaurs can be found where? | 23 | 1.3 | 25 | 1.8 | 22 | 1.8 |
| B02 | No | Shown diagram, where is the saltiest water found? | 30 | 1.5 | 35 | 2.4 | 27 | 1.5 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 33 | 2.2 | 38 | 3.0 | 30 | 3.0 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 47 | 2.2 | 45 | 2.9 | 49 | 3.2 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 72 | 1.8 | 70 | 2.4 | 73 | 2.3 |
| E09 | No | Given several recent floods, when will it flood next? | 11 | 1.2 | 12 | 1.6 | 11 | 1.6 |
| F02 | No | Each year the Earth moves once around which of the following? | 48 | 2.4 | 53 | 3.3 | 43 | 3.1 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 35 | 1.9 | 34 | 1.9 | 36 | 3.1 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 47 | 1.8 | 52 | 3.2 | 42 | 2.5 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 23 | 1.5 | 24 | 2.6 | 21 | 1.8 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 6 | 1.0 | 6 | 1.4 | 7 | 1.6 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 21 | 2.8 | 24 | 3.6 | 18 | 4.1 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 43 | 3.5 | 47 | 3.9 | 41 | 5.4 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 20 | 2.9 | 28 | 3.9 | 14 | 3.5 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 9 | 2.1 | 8 | 1.4 | 9 | 3.6 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 28 | 1.9 | 26 | 3.4 | 29 | 2.3 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 7 | 1.4 | 7 | 1.7 | 7 | 2.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Iran, Islamic Rep. SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 66 | 1.4 | 64 | 2.2 | 67 | 1.6 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 23 | 1.5 | 25 | 2.3 | 21 | 1.7 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 24 | 1.2 | 26 | 2.1 | 23 | 1.6 |
| O06 | Yes | Write down one example of how computers help people do their work. | 16 | 2.2 | 15 | 3.2 | 17 | 3.5 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 18 | 2.6 | 22 | 3.6 | 15 | 3.7 |
| Q07 | Yes | Which of the following statements is not an observation? | 19 | 2.5 | 16 | 2.8 | 22 | 3.8 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 19 | 2.3 | 20 | 3.2 | 18 | 3.4 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 10 | 1.8 | 9 | 1.7 | 11 | 3.2 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 3 | 0.8 | 4 | 1.3 | 2 | 1.0 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 3 | 0.8 | 3 | 1.1 | 3 | 1.3 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Iran, Islamic Rep. SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 45 | 1.7 | 44 | 2.2 | 45 | 2.5 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 44 | 1.5 | 42 | 2.3 | 46 | 2.0 |
| B04 | No | Where do humans interpret senses? | 38 | 1.6 | 38 | 2.2 | 38 | 2.3 |
| C06 | No | Which animal eats only plants? | 76 | 2.0 | 79 | 2.1 | 74 | 3.3 |
| C08 | No | What gas in the air do we need in order to live? | 41 | 2.6 | 44 | 2.9 | 38 | 3.9 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 48 | 1.9 | 47 | 2.6 | 49 | 2.9 |
| D03 | No | Which of the following animals does not lay eggs? | 54 | 2.0 | 53 | 2.3 | 54 | 3.1 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 31 | 1.8 | 33 | 2.8 | 30 | 2.6 |
| F01 | No | Which of the following plants is grown for food? | 74 | 1.8 | 69 | 2.6 | 77 | 2.5 |
| G05 | No | Where does air go when a person breathes in? | 22 | 1.6 | 26 | 1.8 | 20 | 2.7 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 69 | 1.6 | 69 | 2.7 | 69 | 1.7 |
| H02 | No | How can washing your hands help keep you from getting sick? | 56 | 2.1 | 53 | 2.8 | 59 | 2.8 |
| H04 | No | Which of the following will most likely affect your adult height? | 39 | 2.1 | 40 | 2.7 | 37 | 2.9 |
| N02 | Yes | Which of the following refers only to living things? | 31 | 2.5 | 32 | 4.0 | 30 | 3.2 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 16 | 2.5 | 17 | 3.1 | 16 | 3.9 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 49 | 4.1 | 50 | 4.8 | 48 | 6.8 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 24 | 3.4 | 26 | 4.1 | 23 | 5.4 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 24 | 3.0 | 21 | 3.6 | 27 | 4.4 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 22 | 2.8 | 30 | 3.7 | 15 | 3.8 |
| O07 | Yes | Which of the following animal produces milk for its young? | 66 | 3.2 | 68 | 4.0 | 64 | 4.6 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 60 | 3.6 | 59 | 5.0 | 60 | 5.2 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 47 | 3.7 | 47 | 4.8 | 47 | 5.1 |
| P08 | Yes | Birds are different from insects in that birds have... | 20 | 2.2 | 20 | 3.3 | 19 | 3.1 |
| P09 | Yes | Seeds develop from which part of a plant? | 28 | 2.6 | 23 | 4.0 | 32 | 3.4 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 17 | 1.9 | 18 | 2.8 | 16 | 2.9 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 40 | 2.8 | 39 | 4.4 | 41 | 3.5 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 51 | 3.3 | 50 | 4.5 | 52 | 4.7 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 15 | 2.1 | 13 | 2.7 | 16 | 3.3 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 36 | 3.8 | 28 | 3.3 | 43 | 6.4 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 25 | 2.6 | 24 | 3.4 | 26 | 4.1 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 17 | 2.0 | 21 | 2.9 | 13 | 2.6 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 22 | 2.0 | 24 | 2.8 | 21 | 3.0 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 6 | 1.2 | 6 | 1.4 | 5 | 1.9 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 5 | 1.1 | 5 | 1.3 | 5 | 1.7 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 4 | 0.7 | 6 | 1.4 | 1 | 0.5 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 38 | 2.1 | 34 | 3.1 | 42 | 3.0 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 8 | 1.3 | 7 | 1.7 | 8 | 2.0 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 30 | 2.1 | 29 | 3.2 | 30 | 3.2 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 9 | 1.6 | 10 | 3.1 | 8 | 1.6 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 7 | 1.2 | 7 | 2.2 | 6 | 1.5 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 22 | 2.3 | 23 | 3.2 | 22 | 3.0 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 17 | 1.9 | 19 | 3.2 | 16 | 2.3 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 19 | 1.7 | 21 | 2.9 | 17 | 1.8 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Iran, Islamic Rep. SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 64 | 1.7 | 65 | 2.2 | 62 | 2.4 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 57 | 1.6 | 58 | 2.0 | 55 | 2.5 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 36 | 1.9 | 41 | 3.4 | 33 | 2.0 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 29 | 1.8 | 30 | 2.0 | 27 | 3.1 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 36 | 2.1 | 37 | 2.9 | 35 | 3.0 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 32 | 2.1 | 37 | 2.5 | 28 | 3.1 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 50 | 1.8 | 49 | 2.5 | 50 | 2.2 |
| H01 | No | What happens to water when it boils? | 68 | 1.5 | 66 | 2.3 | 70 | 2.1 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 18 | 2.6 | 17 | 3.2 | 20 | 3.9 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 27 | 2.9 | 26 | 3.6 | 28 | 5.1 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 30 | 2.2 | 28 | 3.1 | 33 | 2.9 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 27 | 2.0 | 25 | 3.0 | 28 | 3.0 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 19 | 2.5 | 22 | 3.7 | 16 | 2.9 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 36 | 2.6 | 30 | 3.5 | 40 | 3.8 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 47 | 3.4 | 49 | 4.2 | 45 | 5.5 |
| P03 | Yes | Which of the following is not used as an energy source? | 30 | 4.1 | 27 | 4.5 | 32 | 6.7 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 20 | 2.8 | 20 | 2.6 | 19 | 4.4 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 27 | 2.5 | 31 | 3.6 | 24 | 3.6 |
| P07 | Yes | Which of the following travels fastest? (light) | 43 | 3.4 | 47 | 3.6 | 39 | 5.7 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 32 | 2.7 | 32 | 3.7 | 32 | 4.0 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 23 | 2.5 | 29 | 3.7 | 18 | 3.7 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 8 | 1.6 | 8 | 2.0 | 9 | 2.4 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 22 | 2.5 | 22 | 3.9 | 21 | 3.2 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 5 | 1.5 | 6 | 2.0 | 5 | 2.3 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 27 | 2.7 | 24 | 4.2 | 29 | 3.6 |
| R08 | Yes | Which of the following makes its own light? | 30 | 3.2 | 29 | 4.5 | 30 | 4.7 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 18 | 2.4 | 13 | 3.3 | 23 | 3.5 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 2 | 0.6 | 2 | 0.7 | 2 | 1.0 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 7 | 1.0 | 7 | 1.5 | 7 | 1.5 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 3 | 1.0 | 2 | 0.8 | 4 | 1.9 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Ireland SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 68 | 1.4 | 71 | 1.7 | 65 | 1.8 |
| A10 | No | The fossils of dinosaurs can be found where? | 74 | 1.0 | 76 | 1.2 | 71 | 1.5 |
| B02 | No | Shown diagram, where is the saltiest water found? | 59 | 1.6 | 59 | 1.9 | 59 | 2.5 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 40 | 1.5 | 42 | 2.1 | 38 | 2.4 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 73 | 1.6 | 75 | 2.3 | 71 | 1.9 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 92 | 1.1 | 92 | 1.9 | 91 | 1.3 |
| E09 | No | Given several recent floods, when will it flood next? | 34 | 1.5 | 30 | 2.1 | 38 | 1.9 |
| F02 | No | Each year the Earth moves once around which of the following? | 58 | 1.8 | 61 | 2.3 | 54 | 2.8 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 55 | 1.8 | 56 | 2.2 | 54 | 2.5 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 63 | 1.6 | 63 | 2.1 | 63 | 2.0 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 30 | 1.7 | 28 | 2.0 | 33 | 2.6 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 29 | 1.7 | 32 | 2.2 | 25 | 2.4 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 24 | 2.2 | 26 | 3.2 | 21 | 3.5 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 68 | 2.9 | 69 | 3.3 | 67 | 4.8 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 32 | 2.9 | 34 | 4.4 | 30 | 3.7 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 25 | 2.1 | 29 | 2.9 | 19 | 3.5 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 55 | 2.0 | 57 | 2.8 | 54 | 3.0 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 26 | 2.4 | 25 | 2.8 | 28 | 4.2 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Ireland SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 79 | 1.0 | 76 | 1.4 | 82 | 1.3 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 40 | 1.9 | 39 | 2.4 | 41 | 2.8 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 73 | 1.7 | 69 | 2.3 | 77 | 2.1 |
| O06 | Yes | Write down one example of how computers help people do their work. | 68 | 3.0 | 68 | 4.2 | 68 | 3.7 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 24 | 2.3 | 28 | 3.1 | 18 | 3.2 |
| Q07 | Yes | Which of the following statements is not an observation? | 36 | 2.7 | 36 | 4.0 | 35 | 3.6 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 37 | 2.0 | 39 | 3.1 | 35 | 3.0 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 29 | 2.2 | 34 | 2.9 | 24 | 2.9 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 18 | 1.3 | 19 | 2.0 | 17 | 2.2 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 17 | 1.3 | 15 | 2.1 | 18 | 2.2 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Ireland SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 70 | 1.2 | 68 | 1.4 | 71 | 1.9 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 53 | 1.8 | 52 | 2.2 | 54 | 2.4 |
| B04 | No | Where do humans interpret senses? | 56 | 1.7 | 55 | 2.2 | 57 | 2.4 |
| C06 | No | Which animal eats only plants? | 87 | 1.1 | 90 | 1.2 | 84 | 1.7 |
| C08 | No | What gas in the air do we need in order to live? | 75 | 1.5 | 76 | 1.9 | 74 | 2.2 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 55 | 1.4 | 53 | 2.0 | 57 | 2.0 |
| D03 | No | Which of the following animals does not lay eggs? | 94 | 0.6 | 93 | 1.0 | 96 | 0.7 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 39 | 1.9 | 42 | 2.8 | 36 | 2.7 |
| F01 | No | Which of the following plants is grown for food? | 80 | 1.4 | 81 | 1.8 | 79 | 2.0 |
| G05 | No | Where does air go when a person breathes in? | 79 | 1.7 | 81 | 1.8 | 76 | 2.7 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 86 | 1.3 | 86 | 1.8 | 86 | 1.7 |
| H02 | No | How can washing your hands help keep you from getting sick? | 86 | 1.2 | 82 | 1.9 | 90 | 1.3 |
| H04 | No | Which of the following will most likely affect your adult height? | 32 | 1.7 | 33 | 2.5 | 32 | 2.2 |
| N02 | Yes | Which of the following refers only to living things? | 69 | 2.4 | 68 | 3.1 | 70 | 3.4 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 20 | 2.0 | 23 | 3.1 | 17 | 2.7 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 70 | 2.2 | 66 | 3.0 | 74 | 3.1 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 26 | 2.2 | 20 | 2.8 | 32 | 3.4 |
| O02 | Yes | Why did seeds placed on moist cotton sprout, but not those covered with water? | 39 | 2.8 | 39 | 3.9 | 39 | 3.9 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 59 | 2.7 | 55 | 3.2 | 64 | 4.6 |
| O07 | Yes | Which of the following animal produces milk for its young? | 61 | 2.9 | 60 | 3.8 | 62 | 4.3 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 89 | 1.7 | 90 | 1.7 | 87 | 2.9 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 83 | 2.1 | 83 | 2.7 | 83 | 3.3 |
| P08 | Yes | Birds are different from insects in that birds have... | 56 | 2.8 | 55 | 3.6 | 59 | 4.0 |
| P09 | Yes | Seeds develop from which part of a plant? | 18 | 2.4 | 21 | 3.4 | 15 | 3.3 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 51 | 3.2 | 55 | 4.5 | 46 | 3.4 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 55 | 2.7 | 57 | 3.6 | 53 | 4.3 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 60 | 2.5 | 53 | 3.7 | 68 | 3.9 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 36 | 2.7 | 40 | 3.8 | 31 | 4.2 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 58 | 2.6 | 52 | 3.8 | 65 | 3.2 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 72 | 2.4 | 68 | 3.2 | 76 | 3.8 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 33 | 2.6 | 31 | 3.7 | 35 | 3.5 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 47 | 2.8 | 46 | 3.8 | 47 | 3.9 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 34 | 2.0 | 36 | 2.8 | 32 | 2.9 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 18 | 1.8 | 22 | 2.1 | 14 | 3.1 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 29 | 2.0 | 32 | 2.4 | 25 | 2.6 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 68 | 1.9 | 64 | 2.5 | 73 | 2.8 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 79 | 1.8 | 77 | 2.3 | 82 | 2.2 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 52 | 2.3 | 54 | 3.3 | 50 | 3.2 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 59 | 2.3 | 58 | 2.8 | 60 | 3.2 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 33 | 2.2 | 35 | 2.6 | 30 | 3.3 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 54 | 2.2 | 56 | 3.0 | 51 | 3.4 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 36 | 2.2 | 40 | 3.3 | 32 | 2.6 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 50 | 2.5 | 49 | 3.5 | 51 | 2.9 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Ireland SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 81 | 1.1 | 81 | 1.4 | 80 | 1.4 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 62 | 1.5 | 64 | 1.8 | 60 | 2.3 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 67 | 1.7 | 65 | 2.4 | 70 | 2.2 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 47 | 1.9 | 44 | 2.8 | 51 | 2.3 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 64 | 2.0 | 66 | 2.6 | 62 | 2.8 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 62 | 1.6 | 59 | 2.1 | 64 | 2.3 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 87 | 1.3 | 85 | 1.8 | 90 | 1.7 |
| H01 | No | What happens to water when it boils? | 60 | 2.0 | 60 | 2.3 | 61 | 3.0 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 29 | 2.6 | 36 | 4.2 | 21 | 3.4 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 45 | 2.9 | 45 | 4.0 | 44 | 4.1 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 65 | 2.7 | 63 | 4.1 | 67 | 3.8 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 46 | 3.0 | 45 | 4.1 | 48 | 3.8 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 32 | 2.8 | 35 | 3.5 | 28 | 4.1 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 49 | 2.7 | 52 | 4.1 | 45 | 3.9 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 36 | 2.1 | 37 | 2.9 | 35 | 3.3 |
| P03 | Yes | Which of the following is not used as an energy source? | 33 | 2.3 | 38 | 3.4 | 27 | 3.3 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 23 | 2.6 | 27 | 3.1 | 17 | 3.6 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 45 | 2.3 | 49 | 3.4 | 38 | 3.7 |
| P07 | Yes | Which of the following travels fastest? (light) | 32 | 2.9 | 43 | 3.9 | 18 | 3.7 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 36 | 3.0 | 37 | 4.5 | 34 | 3.5 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 42 | 3.0 | 49 | 4.5 | 35 | 3.7 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 30 | 2.9 | 32 | 3.7 | 28 | 4.5 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 46 | 2.6 | 47 | 4.0 | 45 | 3.1 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 12 | 1.8 | 16 | 2.5 | 8 | 2.2 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 49 | 3.3 | 50 | 4.0 | 47 | 4.7 |
| R08 | Yes | Which of the following makes its own light? | 48 | 3.0 | 50 | 4.1 | 45 | 4.8 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 35 | 3.0 | 41 | 4.6 | 28 | 4.1 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 29 | 2.2 | 26 | 2.3 | 33 | 3.7 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 35 | 2.2 | 35 | 3.0 | 36 | 2.9 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 24 | 1.8 | 29 | 2.5 | 18 | 2.4 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Japan SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 54 | 1.0 | 56 | 1.2 | 51 | 1.3 |
| A10 | No | The fossils of dinosaurs can be found where? | 80 | 0.7 | 83 | 0.8 | 76 | 0.9 |
| B02 | No | Shown diagram, where is the saltiest water found? | 89 | 0.6 | 88 | 0.9 | 90 | 1.0 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 66 | 1.4 | 65 | 1.8 | 66 | 1.7 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 84 | 1.0 | 86 | 1.3 | 81 | 1.3 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 89 | 0.8 | 92 | 1.2 | 86 | 1.2 |
| E09 | No | Given several recent floods, when will it flood next? | 57 | 1.3 | 52 | 1.8 | 62 | 1.9 |
| F02 | No | Each year the Earth moves once around which of the following? | 59 | 1.4 | 65 | 1.9 | 53 | 2.1 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 78 | 1.0 | 77 | 1.4 | 80 | 1.3 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 77 | 1.1 | 79 | 1.3 | 75 | 1.4 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 24 | 1.1 | 24 | 1.7 | 24 | 1.6 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 33 | 1.3 | 31 | 1.8 | 35 | 1.8 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 49 | 2.8 | 53 | 3.7 | 45 | 3.8 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 51 | 2.2 | 53 | 3.3 | 49 | 2.9 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 61 | 2.5 | 61 | 3.0 | 60 | 3.4 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 30 | 1.6 | 32 | 2.0 | 28 | 2.2 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 60 | 1.6 | 58 | 2.5 | 63 | 2.3 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 8 | 0.8 | 9 | 1.2 | 7 | 1.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Japan SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 74 | 0.9 | 72 | 1.0 | 77 | 1.2 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 56 | 1.4 | 59 | 1.6 | 54 | 2.3 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 81 | 0.9 | 82 | 1.5 | 79 | 1.3 |
| O06 | Yes | Write down one example of how computers help people do their work. | 44 | 1.9 | 43 | 3.3 | 44 | 3.4 |
| Q07 | Yes | Which of the following statements is not an observation? | 43 | 2.1 | 37 | 2.9 | 49 | 3.1 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 38 | 2.2 | 36 | 2.9 | 40 | 3.1 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 41 | 1.9 | 44 | 2.6 | 38 | 2.4 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 30 | 1.5 | 33 | 2.3 | 27 | 2.0 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 42 | 1.8 | 42 | 2.4 | 43 | 2.0 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Japan SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 63 | 0.9 | 63 | 1.1 | 64 | 1.2 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 90 | 0.7 | 90 | 0.9 | 91 | 0.9 |
| B04 | No | Where do humans interpret senses? | 39 | 1.3 | 39 | 1.5 | 39 | 1.8 |
| C06 | No | Which animal eats only plants? | 76 | 1.0 | 78 | 1.6 | 73 | 1.2 |
| C08 | No | What gas in the air do we need in order to live? | 67 | 1.2 | 68 | 1.7 | 66 | 1.6 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 84 | 1.0 | 81 | 1.4 | 86 | 1.3 |
| D03 | No | Which of the following animals does not lay eggs? | 91 | 0.8 | 92 | 1.1 | 91 | 1.2 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 56 | 1.6 | 56 | 2.1 | 56 | 1.9 |
| F01 | No | Which of the following plants is grown for food? | 79 | 1.2 | 77 | 1.6 | 82 | 1.5 |
| G05 | No | Where does air go when a person breathes in? | 50 | 1.5 | 52 | 1.9 | 49 | 2.0 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 86 | 0.9 | 86 | 1.2 | 86 | 1.2 |
| H02 | No | How can washing your hands help keep you from getting sick? | 97 | 0.4 | 96 | 0.6 | 97 | 0.6 |
| H04 | No | Which of the following will most likely affect your adult height? | 31 | 1.2 | 31 | 1.8 | 31 | 1.7 |
| N02 | Yes | Which of the following refers only to living things? | 86 | 1.5 | 84 | 2.1 | 87 | 2.2 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 55 | 2.4 | 49 | 2.7 | 62 | 3.4 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 54 | 2.5 | 57 | 3.1 | 52 | 3.3 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 59 | 2.3 | 57 | 3.7 | 60 | 3.1 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 30 | 2.4 | 24 | 3.0 | 36 | 3.2 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 89 | 1.5 | 86 | 2.4 | 91 | 1.9 |
| O07 | Yes | Which of the following animal produces milk for its young? | 91 | 1.4 | 90 | 1.9 | 93 | 1.7 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 93 | 1.2 | 94 | 1.6 | 93 | 1.8 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 93 | 1.0 | 94 | 1.6 | 92 | 1.4 |
| P08 | Yes | Birds are different from insects in that birds have... | 71 | 1.7 | 71 | 2.8 | 70 | 2.7 |
| P09 | Yes | Seeds develop from which part of a plant? | 60 | 2.3 | 55 | 3.3 | 65 | 3.1 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 89 | 1.5 | 90 | 1.8 | 87 | 2.2 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 53 | 2.1 | 49 | 3.1 | 57 | 3.2 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 62 | 2.3 | 60 | 3.2 | 63 | 2.8 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 83 | 1.6 | 84 | 2.3 | 83 | 2.5 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 15 | 1.6 | 15 | 2.2 | 16 | 2.5 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 56 | 2.5 | 53 | 3.5 | 58 | 3.3 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 47 | 2.5 | 50 | 3.2 | 43 | 3.7 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 69 | 2.5 | 67 | 3.0 | 71 | 3.2 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 21 | 1.5 | 23 | 1.9 | 18 | 2.0 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 18 | 1.1 | 20 | 1.9 | 16 | 1.6 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 51 | 1.5 | 55 | 2.2 | 46 | 2.2 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 85 | 1.1 | 83 | 1.6 | 86 | 1.7 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 91 | 1.1 | 92 | 1.2 | 89 | 1.8 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 78 | 1.1 | 78 | 1.7 | 79 | 1.7 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 83 | 0.9 | 84 | 1.7 | 83 | 1.5 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 18 | 1.3 | 18 | 1.7 | 18 | 1.7 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 87 | 1.0 | 88 | 1.2 | 86 | 1.7 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 23 | 1.3 | 24 | 2.0 | 22 | 1.7 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 76 | 1.4 | 74 | 2.0 | 78 | 1.8 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Japan SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 95 | 0.4 | 95 | 0.5 | 95 | 0.6 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 83 | 1.0 | 83 | 1.4 | 82 | 1.3 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 65 | 1.5 | 62 | 1.7 | 68 | 2.4 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 73 | 1.1 | 70 | 1.7 | 76 | 1.3 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 76 | 1.1 | 76 | 1.8 | 77 | 1.6 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 62 | 1.5 | 67 | 2.0 | 58 | 1.9 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 82 | 1.1 | 82 | 1.2 | 82 | 1.7 |
| H01 | No | What happens to water when it boils? | 71 | 1.1 | 74 | 1.4 | 68 | 1.6 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 27 | 2.0 | 31 | 3.1 | 24 | 2.4 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 56 | 2.6 | 54 | 3.4 | 58 | 3.2 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 44 | 2.1 | 42 | 3.2 | 46 | 3.3 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 78 | 1.5 | 79 | 2.3 | 77 | 2.5 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 55 | 1.7 | 54 | 3.1 | 56 | 3.0 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 50 | 2.3 | 46 | 3.2 | 54 | 3.0 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 82 | 2.1 | 80 | 3.1 | 84 | 2.4 |
| P03 | Yes | Which of the following is not used as an energy source? | 40 | 2.3 | 44 | 3.4 | 37 | 3.1 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 48 | 2.2 | 48 | 3.2 | 48 | 2.9 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 75 | 1.8 | 71 | 2.7 | 78 | 2.5 |
| P07 | Yes | Which of the following travels fastest? (light) | 52 | 2.6 | 57 | 3.4 | 48 | 3.4 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 63 | 2.4 | 59 | 3.1 | 67 | 3.2 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 38 | 2.3 | 41 | 2.9 | 36 | 3.7 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 49 | 2.4 | 46 | 3.1 | 53 | 3.6 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 54 | 2.3 | 52 | 3.2 | 56 | 3.5 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 18 | 2.0 | 22 | 2.7 | 15 | 2.7 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 76 | 2.0 | 73 | 2.6 | 80 | 2.6 |
| R08 | Yes | Which of the following makes its own light? | 24 | 2.1 | 30 | 3.1 | 16 | 2.8 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 66 | 2.0 | 61 | 2.9 | 72 | 3.1 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 64 | 1.5 | 62 | 2.5 | 66 | 2.3 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 40 | 1.5 | 38 | 1.8 | 42 | 2.2 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 52 | 1.7 | 51 | 2.3 | 53 | 2.2 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Korea SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 51 | 1.3 | 57 | 1.7 | 45 | 1.6 |
| A10 | No | The fossils of dinosaurs can be found where? | 93 | 0.5 | 94 | 0.7 | 93 | 0.7 |
| B02 | No | Shown diagram, where is the saltiest water found? | 92 | 0.7 | 95 | 0.7 | 90 | 1.1 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 86 | 1.1 | 88 | 1.4 | 84 | 1.5 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 81 | 1.2 | 84 | 1.5 | 78 | 2.0 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 90 | 1.0 | 93 | 1.0 | 88 | 1.6 |
| E09 | No | Given several recent floods, when will it flood next? | 56 | 1.6 | 56 | 2.1 | 55 | 2.2 |
| F02 | No | Each year the Earth moves once around which of the following? | 62 | 1.7 | 68 | 2.1 | 56 | 2.2 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 70 | 1.4 | 71 | 2.1 | 70 | 2.4 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 73 | 1.2 | 81 | 1.7 | 66 | 1.9 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 25 | 1.4 | 27 | 2.0 | 23 | 2.0 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 58 | 1.7 | 60 | 2.2 | 56 | 2.4 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 46 | 2.7 | 47 | 3.7 | 44 | 4.3 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 77 | 2.3 | 74 | 3.2 | 81 | 3.4 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 54 | 2.9 | 55 | 3.4 | 52 | 4.2 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 33 | 1.8 | 35 | 2.6 | 31 | 2.7 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 81 | 1.8 | 80 | 2.0 | 82 | 2.6 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 25 | 2.1 | 21 | 2.3 | 29 | 2.8 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Korea SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 88 | 0.7 | 88 | 0.9 | 88 | 0.9 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 37 | 1.6 | 40 | 2.3 | 35 | 2.2 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 91 | 1.2 | 89 | 1.6 | 92 | 1.4 |
| O06 | Yes | Write down one example of how computers help people do their work. | 69 | 2.5 | 69 | 3.3 | 69 | 4.4 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 56 | 2.9 | 52 | 3.7 | 60 | 3.9 |
| Q07 | Yes | Which of the following statements is not an observation? | 49 | 2.7 | 48 | 3.8 | 49 | 3.5 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 48 | 3.0 | 47 | 4.0 | 49 | 4.0 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 52 | 2.0 | 54 | 2.5 | 49 | 2.9 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 39 | 2.4 | 40 | 3.0 | 38 | 3.3 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 51 | 2.2 | 50 | 2.9 | 52 | 3.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Korea SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 66 | 1.1 | 65 | 1.5 | 67 | 1.3 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 85 | 1.0 | 86 | 1.5 | 84 | 1.4 |
| B04 | No | Where do humans interpret senses? | 40 | 1.4 | 43 | 1.9 | 37 | 1.9 |
| C06 | No | Which animal eats only plants? | 98 | 0.5 | 98 | 0.5 | 98 | 0.7 |
| C08 | No | What gas in the air do we need in order to live? | 82 | 1.2 | 85 | 1.5 | 78 | 1.8 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 83 | 1.3 | 81 | 1.7 | 85 | 1.7 |
| D03 | No | Which of the following animals does not lay eggs? | 94 | 0.8 | 94 | 1.0 | 93 | 1.1 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 70 | 1.4 | 72 | 1.9 | 67 | 2.2 |
| F01 | No | Which of the following plants is grown for food? | 87 | 1.2 | 88 | 1.5 | 86 | 1.7 |
| G05 | No | Where does air go when a person breathes in? | 61 | 1.6 | 62 | 2.3 | 61 | 2.1 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 89 | 0.9 | 90 | 1.3 | 88 | 1.5 |
| H02 | No | How can washing your hands help keep you from getting sick? | 96 | 0.6 | 96 | 0.9 | 97 | 0.9 |
| H04 | No | Which of the following will most likely affect your adult height? | 17 | 1.2 | 17 | 1.6 | 17 | 1.8 |
| N02 | Yes | Which of the following refers only to living things? | 81 | 2.4 | 83 | 3.1 | 78 | 3.4 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 43 | 3.0 | 46 | 3.9 | 38 | 4.1 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 69 | 2.9 | 75 | 3.4 | 61 | 4.3 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 71 | 2.1 | 73 | 2.9 | 68 | 3.4 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 49 | 2.4 | 49 | 3.7 | 50 | 3.6 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 95 | 1.1 | 95 | 1.5 | 95 | 1.8 |
| O07 | Yes | Which of the following animal produces milk for its young? | 91 | 1.6 | 88 | 2.3 | 95 | 1.9 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 93 | 1.3 | 93 | 2.0 | 94 | 1.8 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 95 | 1.3 | 99 | 0.9 | 91 | 2.3 |
| P08 | Yes | Birds are different from insects in that birds have... | 64 | 2.6 | 66 | 3.4 | 63 | 3.8 |
| P09 | Yes | Seeds develop from which part of a plant? | 51 | 3.0 | 49 | 3.8 | 53 | 3.9 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 86 | 1.9 | 92 | 2.1 | 81 | 3.2 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 68 | 2.9 | 71 | 4.0 | 64 | 3.9 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 84 | 2.1 | 84 | 3.1 | 83 | 2.7 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 88 | 1.7 | 91 | 2.2 | 85 | 2.8 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 30 | 2.5 | 30 | 3.0 | 29 | 3.6 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 81 | 2.1 | 81 | 2.9 | 81 | 3.2 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 39 | 2.9 | 42 | 3.8 | 35 | 4.3 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 73 | 2.8 | 73 | 3.7 | 73 | 3.8 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 28 | 1.9 | 35 | 2.8 | 19 | 2.5 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 32 | 2.1 | 34 | 3.1 | 30 | 2.6 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 70 | 1.8 | 74 | 2.0 | 65 | 3.2 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 81 | 1.6 | 82 | 1.9 | 80 | 2.5 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 91 | 1.1 | 92 | 1.2 | 89 | 1.8 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 70 | 1.8 | 72 | 2.3 | 66 | 2.7 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 82 | 1.4 | 83 | 2.0 | 81 | 2.0 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 48 | 2.5 | 47 | 3.3 | 48 | 3.2 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 67 | 2.0 | 71 | 2.4 | 62 | 2.9 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 41 | 2.4 | 40 | 3.3 | 42 | 3.6 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 80 | 1.8 | 82 | 2.3 | 78 | 2.3 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Korea SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 93 | 0.5 | 93 | 0.6 | 92 | 0.7 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 81 | 0.9 | 80 | 1.5 | 82 | 1.5 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 64 | 1.7 | 64 | 2.0 | 65 | 2.2 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 80 | 1.2 | 81 | 1.8 | 79 | 1.7 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 75 | 1.5 | 77 | 1.7 | 73 | 2.1 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 76 | 1.5 | 81 | 2.0 | 71 | 2.3 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 90 | 1.1 | 89 | 1.5 | 90 | 1.4 |
| H01 | No | What happens to water when it boils? | 73 | 1.5 | 76 | 1.8 | 70 | 2.5 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 46 | 2.5 | 49 | 3.8 | 42 | 3.9 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 62 | 2.6 | 67 | 3.5 | 55 | 4.0 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 42 | 2.7 | 41 | 4.0 | 43 | 3.7 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 77 | 2.4 | 79 | 3.2 | 74 | 3.4 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 81 | 2.2 | 79 | 3.1 | 85 | 2.7 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 63 | 3.1 | 62 | 4.4 | 65 | 3.6 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 84 | 2.0 | 87 | 2.4 | 81 | 3.3 |
| P03 | Yes | Which of the following is not used as an energy source? | 28 | 2.4 | 38 | 3.5 | 17 | 3.3 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 40 | 2.9 | 42 | 4.1 | 37 | 4.0 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 73 | 2.3 | 72 | 3.3 | 75 | 3.4 |
| P07 | Yes | Which of the following travels fastest? (light) | 37 | 2.7 | 50 | 3.9 | 23 | 3.8 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 69 | 2.2 | 65 | 3.5 | 73 | 3.0 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 73 | 2.9 | 76 | 3.7 | 70 | 3.9 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 61 | 2.7 | 64 | 4.0 | 59 | 3.9 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 62 | 2.2 | 64 | 3.7 | 59 | 3.0 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 22 | 2.6 | 29 | 3.5 | 16 | 3.2 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 83 | 1.8 | 85 | 2.6 | 81 | 2.7 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 43 | 2.3 | 44 | 3.4 | 41 | 3.7 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 61 | 1.8 | 60 | 2.8 | 63 | 3.0 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 67 | 2.1 | 70 | 2.8 | 64 | 3.1 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 66 | 1.8 | 67 | 2.4 | 64 | 2.5 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Latvia (LSS) SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 52 | 2.2 | 54 | 2.3 | 50 | 2.5 |
| A10 | No | The fossils of dinosaurs can be found where? | 63 | 1.4 | 68 | 2.0 | 59 | 1.9 |
| B02 | No | Shown diagram, where is the saltiest water found? | 71 | 1.6 | 70 | 1.9 | 72 | 2.4 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 32 | 2.4 | 33 | 2.8 | 31 | 3.1 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 62 | 2.1 | 65 | 2.9 | 59 | 2.3 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 91 | 1.0 | 90 | 1.6 | 93 | 1.3 |
| E09 | No | Given several recent floods, when will it flood next? | 35 | 1.9 | 31 | 2.2 | 39 | 2.7 |
| F02 | No | Each year the Earth moves once around which of the following? | 66 | 1.9 | 65 | 2.5 | 67 | 2.5 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 55 | 2.3 | 52 | 2.7 | 58 | 2.7 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 68 | 2.0 | 69 | 2.7 | 67 | 2.8 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 31 | 2.1 | 31 | 3.0 | 30 | 2.6 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 50 | 2.6 | 52 | 2.9 | 48 | 3.6 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 32 | 3.7 | 28 | 4.7 | 36 | 5.0 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 57 | 3.4 | 64 | 4.8 | 50 | 4.5 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 30 | 3.4 | 32 | 5.0 | 27 | 4.1 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 22 | 2.1 | 24 | 3.0 | 20 | 2.3 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 33 | 2.5 | 35 | 3.7 | 31 | 2.6 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 14 | 1.9 | 15 | 2.7 | 13 | 2.2 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Latvia (LSS) SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 86 | 0.9 | 85 | 1.2 | 87 | 1.2 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 37 | 2.0 | 39 | 2.9 | 35 | 2.6 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 76 | 1.9 | 71 | 2.7 | 80 | 2.1 |
| O06 | Yes | Write down one example of how computers help people do their work. | 24 | 3.0 | 26 | 4.6 | 22 | 3.2 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 24 | 2.9 | 24 | 3.9 | 23 | 4.1 |
| Q07 | Yes | Which of the following statements is not an observation? | 31 | 3.6 | 30 | 4.3 | 32 | 4.7 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 28 | 2.8 | 30 | 4.2 | 27 | 3.5 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 34 | 2.7 | 35 | 3.3 | 33 | 3.9 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 16 | 2.1 | 16 | 2.7 | 16 | 2.9 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 16 | 2.2 | 15 | 2.9 | 17 | 2.8 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Latvia (LSS) SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 56 | 1.5 | 54 | 2.0 | 58 | 2.0 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 63 | 2.1 | 62 | 3.1 | 64 | 2.3 |
| B04 | No | Where do humans interpret senses? | 50 | 2.0 | 49 | 2.5 | 50 | 2.7 |
| C06 | No | Which animal eats only plants? | 88 | 1.2 | 89 | 2.0 | 88 | 1.7 |
| C08 | No | What gas in the air do we need in order to live? | 69 | 2.4 | 69 | 3.5 | 69 | 2.7 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 61 | 2.1 | 57 | 2.6 | 64 | 2.7 |
| D03 | No | Which of the following animals does not lay eggs? | 75 | 1.9 | 75 | 2.5 | 74 | 2.5 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 51 | 2.2 | 50 | 2.9 | 52 | 3.1 |
| F01 | No | Which of the following plants is grown for food? | 83 | 1.5 | 82 | 2.2 | 84 | 1.9 |
| G05 | No | Where does air go when a person breathes in? | 76 | 1.6 | 78 | 2.4 | 74 | 2.3 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 84 | 1.7 | 84 | 2.3 | 84 | 2.2 |
| H02 | No | How can washing your hands help keep you from getting sick? | 78 | 1.8 | 75 | 2.6 | 82 | 1.9 |
| H04 | No | Which of the following will most likely affect your adult height? | 43 | 2.0 | 40 | 2.6 | 45 | 2.8 |
| N02 | Yes | Which of the following refers only to living things? | 57 | 3.4 | 55 | 4.5 | 60 | 4.7 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 44 | 3.8 | 43 | 5.3 | 45 | 4.7 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 73 | 2.9 | 74 | 4.3 | 73 | 4.1 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 38 | 3.3 | 34 | 4.2 | 42 | 4.0 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 41 | 3.7 | 38 | 4.7 | 45 | 4.6 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 53 | 3.6 | 46 | 5.1 | 59 | 5.0 |
| O07 | Yes | Which of the following animal produces milk for its young? | 72 | 2.9 | 73 | 4.0 | 72 | 4.6 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 59 | 3.5 | 58 | 4.4 | 60 | 4.4 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 79 | 2.5 | 83 | 3.3 | 76 | 3.5 |
| P08 | Yes | Birds are different from insects in that birds have... | 38 | 3.5 | 39 | 4.4 | 37 | 4.8 |
| P09 | Yes | Seeds develop from which part of a plant? | 67 | 2.8 | 63 | 4.4 | 71 | 3.7 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 41 | 3.5 | 39 | 4.7 | 42 | 5.0 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 63 | 3.0 | 57 | 4.1 | 70 | 4.6 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 64 | 3.7 | 64 | 4.9 | 64 | 4.8 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 24 | 3.1 | 22 | 3.7 | 26 | 4.5 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 54 | 3.8 | 50 | 5.6 | 59 | 4.6 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 44 | 3.5 | 37 | 4.5 | 52 | 4.4 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 26 | 3.3 | 26 | 4.5 | 27 | 4.5 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 43 | 3.1 | 40 | 4.5 | 48 | 4.7 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 24 | 2.3 | 28 | 3.3 | 20 | 2.8 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 12 | 1.7 | 12 | 1.7 | 12 | 2.9 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 29 | 2.4 | 31 | 3.1 | 26 | 3.5 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 62 | 2.4 | 60 | 3.0 | 64 | 3.2 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 61 | 2.2 | 60 | 3.4 | 63 | 3.3 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 44 | 2.5 | 43 | 3.3 | 45 | 3.1 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 47 | 2.4 | 48 | 2.9 | 46 | 3.3 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 16 | 2.2 | 16 | 2.7 | 17 | 3.5 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 40 | 2.3 | 40 | 3.2 | 39 | 3.0 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 25 | 1.9 | 24 | 2.4 | 25 | 2.7 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 35 | 2.6 | 31 | 3.5 | 39 | 3.3 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Latvia (LSS) SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 78 | 1.1 | 77 | 1.5 | 80 | 1.5 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 64 | 1.7 | 64 | 2.3 | 64 | 2.6 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 70 | 2.1 | 69 | 2.8 | 70 | 2.8 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 47 | 2.4 | 46 | 2.9 | 49 | 3.1 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 55 | 2.2 | 59 | 3.1 | 51 | 2.7 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 59 | 2.1 | 57 | 2.6 | 61 | 2.7 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 80 | 1.5 | 78 | 2.1 | 82 | 2.4 |
| H01 | No | What happens to water when it boils? | 71 | 2.1 | 70 | 3.1 | 71 | 2.4 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 26 | 2.8 | 32 | 3.9 | 20 | 3.3 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 41 | 3.5 | 43 | 5.1 | 40 | 4.6 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 51 | 3.2 | 54 | 4.9 | 49 | 3.9 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 40 | 3.4 | 38 | 4.0 | 42 | 4.9 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 43 | 3.4 | 38 | 4.7 | 48 | 4.9 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 41 | 3.3 | 43 | 4.3 | 39 | 4.3 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 44 | 3.5 | 47 | 5.6 | 41 | 4.5 |
| P03 | Yes | Which of the following is not used as an energy source? | 27 | 3.6 | 28 | 5.0 | 26 | 4.3 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 38 | 3.7 | 36 | 4.4 | 40 | 5.3 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 38 | 3.8 | 38 | 4.7 | 38 | 5.2 |
| P07 | Yes | Which of the following travels fastest? (light) | 27 | 2.5 | 30 | 4.3 | 24 | 3.8 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 54 | 3.7 | 49 | 4.9 | 60 | 4.4 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 51 | 3.6 | 50 | 4.9 | 52 | 4.6 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 35 | 2.9 | 36 | 4.6 | 34 | 3.9 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 43 | 3.7 | 45 | 4.8 | 42 | 4.9 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 26 | 2.8 | 32 | 3.9 | 19 | 3.1 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 28 | 3.2 | 28 | 4.1 | 27 | 4.3 |
| R08 | Yes | Which of the following makes its own light? | 55 | 3.2 | 54 | 4.3 | 55 | 4.2 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 37 | 3.4 | 33 | 4.6 | 40 | 4.9 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 24 | 2.1 | 25 | 2.9 | 24 | 2.8 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 11 | 1.6 | 9 | 2.0 | 14 | 2.2 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 15 | 1.6 | 16 | 2.3 | 14 | 2.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Netherlands SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 36 | 1.2 | 39 | 1.6 | 32 | 1.5 |
| A10 | No | The fossils of dinosaurs can be found where? | 76 | 1.0 | 76 | 1.3 | 76 | 1.4 |
| B02 | No | Shown diagram, where is the saltiest water found? | 69 | 1.2 | 75 | 1.8 | 63 | 1.8 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 44 | 1.6 | 50 | 2.4 | 39 | 2.3 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 72 | 1.8 | 77 | 2.2 | 67 | 2.4 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 94 | 0.8 | 94 | 1.3 | 93 | 1.2 |
| E09 | No | Given several recent floods, when will it flood next? | 41 | 2.0 | 38 | 2.6 | 45 | 2.5 |
| F02 | No | Each year the Earth moves once around which of the following? | 46 | 2.2 | 50 | 2.9 | 41 | 2.5 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 62 | 1.9 | 63 | 2.9 | 61 | 2.4 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 59 | 1.8 | 62 | 2.4 | 56 | 2.4 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 23 | 1.2 | 21 | 1.7 | 26 | 2.1 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 30 | 1.8 | 34 | 2.0 | 26 | 2.2 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 32 | 2.9 | 32 | 3.0 | 31 | 4.3 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 66 | 2.6 | 68 | 4.0 | 64 | 3.2 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 32 | 3.0 | 38 | 4.8 | 26 | 3.5 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 24 | 2.0 | 29 | 2.4 | 19 | 2.7 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 52 | 2.1 | 49 | 3.2 | 56 | 3.0 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 28 | 2.1 | 27 | 2.5 | 29 | 2.7 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Netherlands SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 83 | 0.8 | 83 | 1.2 | 84 | 1.3 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 50 | 1.8 | 51 | 2.5 | 49 | 2.8 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 79 | 1.6 | 80 | 2.0 | 78 | 2.2 |
| O06 | Yes | Write down one example of how computers help people do their work. | 53 | 2.7 | 54 | 4.0 | 53 | 3.5 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 27 | 3.1 | 23 | 4.2 | 33 | 3.7 |
| Q07 | Yes | Which of the following statements is not an observation? | 38 | 2.9 | 41 | 4.5 | 35 | 3.8 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 40 | 2.6 | 40 | 4.8 | 39 | 3.2 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 43 | 2.1 | 49 | 2.8 | 37 | 2.6 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 33 | 2.0 | 40 | 3.1 | 27 | 2.7 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 10 | 1.3 | 7 | 1.6 | 12 | 2.0 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Netherlands SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 69 | 1.1 | 68 | 1.6 | 70 | 1.3 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 76 | 1.4 | 72 | 2.0 | 79 | 1.9 |
| B04 | No | Where do humans interpret senses? | 55 | 2.0 | 58 | 2.5 | 54 | 2.4 |
| C06 | No | Which animal eats only plants? | 90 | 1.0 | 94 | 1.1 | 86 | 1.3 |
| C08 | No | What gas in the air do we need in order to live? | 93 | 1.0 | 92 | 1.3 | 93 | 1.3 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 70 | 1.5 | 67 | 2.1 | 74 | 1.8 |
| D03 | No | Which of the following animals does not lay eggs? | 91 | 1.1 | 91 | 1.4 | 92 | 1.2 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 65 | 1.8 | 66 | 2.6 | 63 | 2.1 |
| F01 | No | Which of the following plants is grown for food? | 67 | 1.8 | 68 | 2.5 | 65 | 2.5 |
| G05 | No | Where does air go when a person breathes in? | 78 | 1.5 | 78 | 1.9 | 79 | 1.9 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 85 | 1.2 | 84 | 1.7 | 85 | 1.5 |
| H02 | No | How can washing your hands help keep you from getting sick? | 68 | 2.0 | 71 | 2.2 | 66 | 2.6 |
| H04 | No | Which of the following will most likely affect your adult height? | 59 | 1.9 | 54 | 2.9 | 63 | 2.4 |
| N02 | Yes | Which of the following refers only to living things? | 80 | 2.3 | 80 | 3.4 | 80 | 3.0 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 45 | 3.4 | 48 | 4.7 | 42 | 3.9 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 75 | 2.3 | 77 | 3.2 | 73 | 4.2 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 39 | 3.1 | 47 | 4.3 | 30 | 4.0 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 35 | 2.7 | 31 | 4.0 | 40 | 3.4 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 74 | 2.7 | 72 | 4.2 | 76 | 3.1 |
| O07 | Yes | Which of the following animal produces milk for its young? | 68 | 2.9 | 72 | 4.4 | 66 | 4.0 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 95 | 1.3 | 94 | 1.7 | 96 | 1.6 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 94 | 1.2 | 95 | 1.8 | 94 | 1.6 |
| P08 | Yes | Birds are different from insects in that birds have... | 37 | 2.6 | 35 | 4.3 | 40 | 4.1 |
| P09 | Yes | Seeds develop from which part of a plant? | 40 | 2.5 | 39 | 3.8 | 43 | 4.2 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 74 | 2.9 | 77 | 3.8 | 71 | 4.6 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 91 | 1.7 | 91 | 2.5 | 92 | 2.2 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 67 | 2.4 | 64 | 3.9 | 70 | 3.6 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 37 | 2.6 | 38 | 3.8 | 36 | 3.8 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 53 | 3.2 | 49 | 4.9 | 57 | 4.0 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 77 | 2.5 | 77 | 3.5 | 76 | 3.4 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 38 | 3.0 | 37 | 4.1 | 40 | 4.0 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 59 | 2.8 | 60 | 3.7 | 60 | 4.2 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 28 | 1.8 | 35 | 3.2 | 22 | 2.1 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 15 | 1.2 | 16 | 2.3 | 14 | 1.9 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 33 | 1.8 | 36 | 2.5 | 31 | 2.8 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 78 | 2.0 | 77 | 2.8 | 80 | 2.7 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 93 | 1.2 | 93 | 1.7 | 93 | 1.5 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 37 | 2.2 | 37 | 2.6 | 37 | 3.3 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 78 | 1.9 | 79 | 2.3 | 76 | 2.4 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 51 | 2.1 | 50 | 3.0 | 53 | 2.8 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 63 | 2.0 | 64 | 3.2 | 62 | 2.3 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 48 | 2.1 | 48 | 2.9 | 49 | 3.0 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 45 | 2.1 | 43 | 3.0 | 47 | 2.7 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Netherlands SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 88 | 0.6 | 88 | 1.0 | 89 | 0.9 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 76 | 1.4 | 81 | 1.6 | 71 | 2.1 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 69 | 1.8 | 70 | 2.2 | 68 | 2.3 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 39 | 1.7 | 41 | 2.6 | 36 | 2.0 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 66 | 1.9 | 66 | 2.9 | 66 | 2.2 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 75 | 1.5 | 76 | 1.9 | 75 | 2.3 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 95 | 0.7 | 94 | 1.0 | 96 | 1.0 |
| H01 | No | What happens to water when it boils? | 76 | 1.8 | 80 | 1.8 | 73 | 2.4 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 24 | 2.3 | 27 | 3.1 | 21 | 3.3 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 53 | 2.9 | 53 | 4.6 | 52 | 4.1 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 69 | 2.8 | 69 | 4.0 | 69 | 4.1 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 63 | 2.5 | 67 | 3.6 | 59 | 4.4 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 43 | 2.8 | 48 | 4.0 | 39 | 3.4 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 46 | 2.6 | 46 | 4.3 | 46 | 4.0 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 48 | 2.9 | 57 | 4.4 | 39 | 4.4 |
| P03 | Yes | Which of the following is not used as an energy source? | 31 | 2.3 | 32 | 3.9 | 30 | 3.8 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 26 | 2.5 | 28 | 3.8 | 25 | 3.5 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 32 | 2.8 | 36 | 3.9 | 28 | 3.6 |
| P07 | Yes | Which of the following travels fastest? (light) | 17 | 2.5 | 24 | 4.1 | 11 | 2.7 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 45 | 2.7 | 49 | 3.9 | 41 | 4.3 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 60 | 3.3 | 64 | 3.9 | 57 | 4.6 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 44 | 3.0 | 50 | 4.6 | 39 | 4.6 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 44 | 3.2 | 44 | 4.3 | 44 | 4.0 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 15 | 2.4 | 21 | 3.6 | 9 | 2.6 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 58 | 2.9 | 57 | 4.7 | 59 | 4.0 |
| R08 | Yes | Which of the following makes its own light? | 56 | 3.0 | 55 | 4.3 | 59 | 3.8 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 30 | 3.3 | 33 | 4.5 | 27 | 4.0 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 58 | 2.0 | 55 | 3.3 | 61 | 2.6 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 32 | 2.1 | 31 | 2.8 | 33 | 3.0 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 27 | 2.0 | 27 | 2.9 | 27 | 2.3 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=New Zealand SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 59 | 1.6 | 63 | 2.0 | 55 | 1.9 |
| A10 | No | The fossils of dinosaurs can be found where? | 76 | 1.4 | 76 | 1.7 | 75 | 1.8 |
| B02 | No | Shown diagram, where is the saltiest water found? | 62 | 1.9 | 62 | 2.6 | 63 | 2.2 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 36 | 1.8 | 39 | 3.0 | 32 | 2.5 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 72 | 1.7 | 72 | 2.2 | 72 | 2.6 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 90 | 1.5 | 87 | 2.0 | 92 | 2.0 |
| E09 | No | Given several recent floods, when will it flood next? | 39 | 1.8 | 33 | 2.4 | 44 | 2.5 |
| F02 | No | Each year the Earth moves once around which of the following? | 54 | 1.8 | 56 | 2.7 | 51 | 2.7 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 54 | 2.1 | 55 | 2.4 | 53 | 3.3 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 66 | 1.9 | 68 | 2.5 | 64 | 2.5 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 22 | 1.6 | 25 | 2.4 | 20 | 1.8 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 25 | 1.5 | 28 | 2.1 | 23 | 2.2 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 24 | 2.3 | 26 | 3.3 | 21 | 3.2 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 54 | 3.1 | 58 | 4.3 | 50 | 4.5 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 24 | 2.4 | 25 | 3.6 | 22 | 3.1 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 25 | 2.3 | 28 | 3.0 | 22 | 3.3 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 57 | 2.7 | 57 | 3.3 | 57 | 3.4 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 23 | 2.1 | 23 | 2.8 | 22 | 3.0 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=New Zealand SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 76 | 1.2 | 71 | 1.7 | 80 | 1.4 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 40 | 1.9 | 44 | 2.7 | 36 | 2.5 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 76 | 1.8 | 73 | 2.4 | 79 | 2.6 |
| O06 | Yes | Write down one example of how computers help people do their work. | 51 | 3.4 | 49 | 5.5 | 53 | 4.1 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 33 | 2.8 | 29 | 4.4 | 36 | 3.8 |
| Q07 | Yes | Which of the following statements is not an observation? | 38 | 3.4 | 35 | 4.7 | 40 | 4.5 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 36 | 3.0 | 42 | 4.3 | 30 | 4.3 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 28 | 2.2 | 32 | 3.2 | 23 | 2.5 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 17 | 1.6 | 17 | 2.2 | 17 | 2.2 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 24 | 2.1 | 22 | 2.6 | 26 | 3.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=New Zealand SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 61 | 1.5 | 57 | 2.0 | 66 | 1.7 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 66 | 1.9 | 61 | 2.2 | 70 | 2.7 |
| B04 | No | Where do humans interpret senses? | 59 | 1.7 | 57 | 2.4 | 61 | 2.4 |
| C06 | No | Which animal eats only plants? | 85 | 1.5 | 83 | 2.1 | 87 | 1.7 |
| C08 | No | What gas in the air do we need in order to live? | 73 | 2.0 | 73 | 2.3 | 73 | 3.0 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 56 | 1.9 | 52 | 2.8 | 60 | 2.3 |
| D03 | No | Which of the following animals does not lay eggs? | 90 | 1.4 | 87 | 1.9 | 93 | 1.4 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 44 | 2.0 | 44 | 2.2 | 45 | 3.1 |
| F01 | No | Which of the following plants is grown for food? | 74 | 1.9 | 74 | 2.4 | 75 | 2.7 |
| G05 | No | Where does air go when a person breathes in? | 78 | 1.9 | 78 | 2.4 | 77 | 2.3 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 85 | 1.3 | 81 | 2.1 | 88 | 1.7 |
| H02 | No | How can washing your hands help keep you from getting sick? | 85 | 1.8 | 82 | 2.2 | 88 | 2.1 |
| H04 | No | Which of the following will most likely affect your adult height? | 38 | 1.9 | 35 | 2.6 | 41 | 2.8 |
| N02 | Yes | Which of the following refers only to living things? | 56 | 3.1 | 54 | 4.7 | 58 | 4.0 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 24 | 2.7 | 23 | 3.7 | 26 | 4.0 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 60 | 3.1 | 61 | 4.6 | 59 | 3.8 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 39 | 3.1 | 46 | 4.2 | 31 | 4.3 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 42 | 3.4 | 34 | 3.9 | 48 | 5.0 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 64 | 3.4 | 59 | 4.5 | 68 | 5.1 |
| O07 | Yes | Which of the following animal produces milk for its young? | 74 | 2.5 | 69 | 4.1 | 78 | 3.1 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 89 | 2.1 | 86 | 3.6 | 92 | 2.6 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 83 | 2.6 | 83 | 4.0 | 83 | 3.3 |
| P08 | Yes | Birds are different from insects in that birds have... | 56 | 3.0 | 48 | 4.4 | 63 | 4.0 |
| P09 | Yes | Seeds develop from which part of a plant? | 31 | 3.2 | 35 | 4.6 | 27 | 4.0 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 65 | 3.2 | 63 | 3.8 | 67 | 4.4 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 48 | 3.2 | 46 | 4.3 | 50 | 4.3 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 59 | 3.1 | 47 | 4.7 | 72 | 4.1 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 48 | 3.5 | 53 | 5.1 | 42 | 4.1 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 57 | 3.1 | 55 | 4.4 | 59 | 4.2 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 69 | 3.1 | 67 | 4.3 | 72 | 4.5 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 44 | 3.1 | 42 | 4.5 | 47 | 4.4 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 47 | 3.3 | 50 | 4.6 | 43 | 4.5 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 41 | 2.6 | 42 | 3.6 | 40 | 2.9 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 15 | 1.5 | 15 | 2.3 | 14 | 1.8 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 33 | 2.4 | 35 | 3.7 | 30 | 2.9 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 68 | 2.1 | 65 | 3.1 | 72 | 2.6 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 73 | 2.5 | 68 | 3.5 | 78 | 3.1 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 52 | 2.2 | 50 | 3.1 | 55 | 3.0 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 54 | 2.4 | 49 | 3.1 | 58 | 3.5 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 24 | 2.2 | 22 | 2.9 | 25 | 2.9 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 52 | 2.4 | 49 | 3.3 | 55 | 3.2 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 34 | 2.4 | 33 | 3.1 | 34 | 3.3 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 52 | 2.7 | 50 | 3.1 | 53 | 3.6 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=New Zealand SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 79 | 1.5 | 77 | 1.9 | 80 | 1.6 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 57 | 2.0 | 57 | 2.8 | 56 | 2.2 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 57 | 2.0 | 52 | 2.8 | 61 | 2.6 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 54 | 2.1 | 54 | 3.0 | 54 | 2.5 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 59 | 2.1 | 62 | 2.7 | 55 | 2.6 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 60 | 1.8 | 59 | 2.5 | 61 | 2.9 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 82 | 1.5 | 78 | 2.1 | 85 | 2.0 |
| H01 | No | What happens to water when it boils? | 50 | 2.1 | 52 | 2.9 | 49 | 2.8 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 28 | 2.7 | 30 | 4.1 | 25 | 3.8 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 42 | 3.1 | 43 | 4.8 | 41 | 4.2 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 64 | 3.1 | 66 | 4.2 | 63 | 4.1 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 56 | 3.1 | 57 | 4.6 | 55 | 4.3 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 37 | 2.6 | 38 | 4.3 | 35 | 3.7 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 51 | 2.9 | 55 | 4.6 | 47 | 4.2 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 38 | 3.5 | 32 | 4.4 | 42 | 5.1 |
| P03 | Yes | Which of the following is not used as an energy source? | 24 | 2.6 | 27 | 3.7 | 21 | 3.5 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 25 | 2.9 | 25 | 3.3 | 24 | 4.4 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 41 | 3.0 | 43 | 4.1 | 39 | 4.1 |
| P07 | Yes | Which of the following travels fastest? (light) | 38 | 2.9 | 51 | 4.6 | 27 | 3.3 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 43 | 3.1 | 40 | 4.2 | 45 | 4.7 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 55 | 3.1 | 58 | 4.7 | 53 | 4.3 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 39 | 2.9 | 38 | 4.4 | 39 | 4.0 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 51 | 3.4 | 52 | 4.6 | 49 | 4.2 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 13 | 2.3 | 19 | 3.9 | 6 | 2.0 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 42 | 3.3 | 41 | 4.2 | 42 | 4.9 |
| R08 | Yes | Which of the following makes its own light? | 45 | 2.8 | 52 | 4.6 | 37 | 4.0 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 34 | 3.2 | 38 | 4.3 | 30 | 4.4 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 24 | 1.8 | 22 | 2.6 | 27 | 2.2 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 37 | 2.4 | 35 | 3.4 | 38 | 2.7 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 17 | 2.1 | 18 | 2.7 | 16 | 2.6 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Norway SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 58 | 1.4 | 61 | 2.0 | 56 | 1.8 |
| A10 | No | The fossils of dinosaurs can be found where? | 43 | 1.4 | 46 | 2.1 | 41 | 1.8 |
| B02 | No | Shown diagram, where is the saltiest water found? | 70 | 1.6 | 71 | 2.2 | 69 | 2.2 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 34 | 1.9 | 39 | 2.5 | 29 | 2.4 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 69 | 1.8 | 73 | 2.0 | 64 | 2.5 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 89 | 1.2 | 90 | 1.7 | 88 | 1.6 |
| E09 | No | Given several recent floods, when will it flood next? | 27 | 1.7 | 24 | 2.6 | 30 | 2.6 |
| F02 | No | Each year the Earth moves once around which of the following? | 63 | 1.8 | 65 | 2.4 | 60 | 3.1 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 50 | 2.0 | 49 | 2.5 | 50 | 3.0 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 62 | 1.8 | 66 | 2.4 | 58 | 2.6 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 20 | 1.7 | 21 | 2.3 | 18 | 2.3 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 45 | 2.0 | 47 | 2.7 | 42 | 3.1 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 32 | 3.1 | 35 | 4.3 | 30 | 4.6 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 70 | 2.5 | 69 | 3.9 | 71 | 4.4 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 44 | 3.5 | 38 | 5.5 | 50 | 4.9 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 24 | 2.5 | 32 | 3.7 | 16 | 2.8 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 30 | 2.0 | 31 | 2.7 | 30 | 3.3 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 8 | 1.3 | 7 | 1.5 | 7 | 1.8 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Norway SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 75 | 1.3 | 74 | 1.7 | 75 | 1.6 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 32 | 1.4 | 37 | 2.3 | 27 | 2.2 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 55 | 2.1 | 55 | 2.7 | 56 | 2.9 |
| O06 | Yes | Write down one example of how computers help people do their work. | 46 | 4.1 | 50 | 5.2 | 42 | 5.1 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 23 | 2.7 | 22 | 3.8 | 24 | 3.9 |
| Q07 | Yes | Which of the following statements is not an observation? | 34 | 2.7 | 29 | 4.2 | 37 | 4.0 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 23 | 2.0 | 28 | 4.1 | 19 | 2.6 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 25 | 2.2 | 27 | 3.1 | 24 | 2.9 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 15 | 1.7 | 18 | 2.2 | 14 | 3.0 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 10 | 1.4 | 8 | 1.9 | 12 | 2.3 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Norway SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 59 | 1.5 | 59 | 2.0 | 59 | 1.8 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 83 | 1.4 | 86 | 1.9 | 81 | 2.0 |
| B04 | No | Where do humans interpret senses? | 65 | 1.9 | 68 | 2.8 | 62 | 2.4 |
| C06 | No | Which animal eats only plants? | 85 | 1.4 | 89 | 1.7 | 79 | 2.1 |
| C08 | No | What gas in the air do we need in order to live? | 67 | 2.1 | 69 | 2.8 | 64 | 2.5 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 56 | 2.1 | 54 | 2.4 | 58 | 3.0 |
| D03 | No | Which of the following animals does not lay eggs? | 82 | 1.5 | 81 | 2.1 | 83 | 2.1 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 57 | 1.7 | 59 | 2.5 | 55 | 2.5 |
| F01 | No | Which of the following plants is grown for food? | 83 | 1.2 | 84 | 1.5 | 81 | 1.9 |
| G05 | No | Where does air go when a person breathes in? | 75 | 1.7 | 76 | 2.3 | 74 | 2.5 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 78 | 1.7 | 79 | 2.2 | 78 | 2.2 |
| H02 | No | How can washing your hands help keep you from getting sick? | 68 | 1.8 | 68 | 2.6 | 69 | 2.6 |
| H04 | No | Which of the following will most likely affect your adult height? | 58 | 2.2 | 59 | 2.6 | 57 | 3.1 |
| N02 | Yes | Which of the following refers only to living things? | 44 | 3.1 | 44 | 4.1 | 44 | 5.1 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 43 | 2.8 | 51 | 4.1 | 32 | 4.0 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 66 | 2.5 | 66 | 3.8 | 66 | 4.1 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 31 | 2.9 | 27 | 3.7 | 37 | 4.6 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 37 | 4.3 | 38 | 5.7 | 33 | 4.8 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 38 | 3.3 | 36 | 4.9 | 38 | 4.0 |
| O07 | Yes | Which of the following animal produces milk for its young? | 57 | 3.7 | 62 | 4.7 | 51 | 5.2 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 91 | 1.6 | 91 | 2.0 | 91 | 2.7 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 87 | 2.1 | 88 | 3.1 | 86 | 3.4 |
| P08 | Yes | Birds are different from insects in that birds have... | 49 | 2.9 | 47 | 4.3 | 53 | 4.7 |
| P09 | Yes | Seeds develop from which part of a plant? | 28 | 3.2 | 33 | 5.0 | 23 | 3.7 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 54 | 3.2 | 56 | 4.7 | 52 | 4.7 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 59 | 3.3 | 61 | 4.4 | 55 | 4.2 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 59 | 3.0 | 57 | 4.1 | 61 | 4.9 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 24 | 2.8 | 26 | 4.4 | 23 | 3.2 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 44 | 3.4 | 43 | 4.8 | 46 | 4.8 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 62 | 3.3 | 58 | 4.8 | 65 | 4.8 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 18 | 2.4 | 21 | 3.9 | 16 | 2.9 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 42 | 3.6 | 41 | 4.9 | 41 | 4.9 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 30 | 2.2 | 29 | 3.2 | 31 | 3.0 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 14 | 1.4 | 13 | 1.8 | 16 | 2.6 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 20 | 2.2 | 23 | 2.9 | 16 | 2.9 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 51 | 2.7 | 48 | 3.8 | 55 | 3.5 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 58 | 2.4 | 57 | 3.7 | 60 | 3.4 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 37 | 2.3 | 37 | 3.2 | 38 | 3.7 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 51 | 2.6 | 49 | 3.9 | 51 | 3.2 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 25 | 2.1 | 25 | 2.9 | 24 | 3.1 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 38 | 2.3 | 41 | 3.6 | 36 | 3.5 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 27 | 2.1 | 28 | 2.8 | 27 | 3.2 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 35 | 2.3 | 31 | 3.0 | 38 | 3.5 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Norway SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 82 | 1.1 | 83 | 1.5 | 80 | 1.4 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 52 | 2.2 | 58 | 3.1 | 47 | 2.9 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 47 | 2.0 | 49 | 2.5 | 46 | 3.0 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 39 | 2.1 | 40 | 2.7 | 38 | 3.2 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 56 | 1.9 | 58 | 2.5 | 53 | 2.6 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 56 | 1.8 | 57 | 2.4 | 55 | 2.5 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 80 | 1.4 | 78 | 2.1 | 83 | 2.0 |
| H01 | No | What happens to water when it boils? | 80 | 1.4 | 80 | 1.9 | 79 | 2.5 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 36 | 3.1 | 36 | 4.3 | 34 | 4.7 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 40 | 3.6 | 38 | 4.6 | 44 | 5.3 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 41 | 3.3 | 39 | 5.0 | 46 | 4.4 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 53 | 3.8 | 52 | 5.1 | 53 | 4.6 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 43 | 3.4 | 46 | 5.2 | 38 | 4.4 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 34 | 3.3 | 36 | 5.0 | 31 | 4.6 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 46 | 3.3 | 49 | 5.3 | 42 | 5.0 |
| P03 | Yes | Which of the following is not used as an energy source? | 17 | 2.3 | 21 | 3.3 | 14 | 3.3 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 25 | 3.1 | 22 | 3.6 | 26 | 4.9 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 36 | 3.2 | 44 | 4.5 | 30 | 5.2 |
| P07 | Yes | Which of the following travels fastest? (light) | 30 | 2.9 | 37 | 4.2 | 22 | 4.0 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 38 | 3.5 | 39 | 4.7 | 38 | 4.5 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 51 | 3.9 | 56 | 4.8 | 49 | 5.1 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 29 | 3.1 | 26 | 4.5 | 31 | 4.6 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 37 | 3.0 | 37 | 4.5 | 37 | 4.4 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 17 | 2.1 | 23 | 3.9 | 13 | 3.0 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 42 | 3.3 | 51 | 4.6 | 35 | 4.4 |
| R08 | Yes | Which of the following makes its own light? | 28 | 2.9 | 27 | 4.3 | 29 | 4.5 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 19 | 2.4 | 17 | 3.7 | 19 | 3.5 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 8 | 1.3 | 7 | 1.6 | 9 | 2.2 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 21 | 2.1 | 20 | 2.8 | 23 | 3.3 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 14 | 1.5 | 16 | 2.3 | 13 | 2.4 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Portugal SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 44 | 1.4 | 46 | 1.7 | 41 | 1.8 |
| A10 | No | The fossils of dinosaurs can be found where? | 56 | 1.6 | 58 | 2.0 | 54 | 1.8 |
| B02 | No | Shown diagram, where is the saltiest water found? | 61 | 1.9 | 65 | 2.1 | 57 | 2.7 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 32 | 2.0 | 32 | 2.7 | 32 | 2.5 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 58 | 1.9 | 63 | 2.8 | 53 | 2.6 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 84 | 1.6 | 87 | 1.7 | 82 | 2.5 |
| E09 | No | Given several recent floods, when will it flood next? | 26 | 1.6 | 27 | 2.3 | 24 | 2.3 |
| F02 | No | Each year the Earth moves once around which of the following? | 51 | 2.2 | 54 | 2.7 | 49 | 2.9 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 43 | 2.2 | 42 | 2.6 | 43 | 2.8 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 59 | 2.0 | 64 | 2.4 | 55 | 2.8 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 25 | 1.4 | 25 | 2.1 | 25 | 2.0 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 29 | 1.8 | 32 | 2.3 | 27 | 2.7 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 21 | 2.4 | 21 | 3.4 | 21 | 3.5 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 71 | 2.6 | 74 | 3.5 | 68 | 4.2 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 22 | 3.0 | 25 | 4.1 | 18 | 3.5 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 10 | 1.4 | 11 | 1.8 | 10 | 2.0 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 25 | 2.3 | 26 | 3.2 | 24 | 3.0 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 6 | 1.2 | 6 | 1.5 | 6 | 1.6 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Portugal SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 69 | 1.5 | 69 | 1.7 | 68 | 1.7 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 41 | 2.1 | 42 | 2.7 | 40 | 2.7 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 58 | 2.0 | 60 | 2.5 | 56 | 3.0 |
| O06 | Yes | Write down one example of how computers help people do their work. | 23 | 2.3 | 24 | 3.2 | 23 | 3.7 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 19 | 2.4 | 17 | 3.3 | 21 | 3.5 |
| Q07 | Yes | Which of the following statements is not an observation? | 25 | 2.7 | 28 | 4.0 | 21 | 3.0 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 18 | 2.3 | 16 | 2.6 | 19 | 4.1 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 12 | 1.5 | 13 | 2.0 | 11 | 1.8 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 5 | 1.0 | 5 | 1.3 | 4 | 1.2 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 17 | 1.8 | 17 | 2.3 | 18 | 2.4 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Portugal SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 51 | 1.7 | 51 | 1.9 | 50 | 2.1 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 69 | 1.6 | 68 | 2.0 | 71 | 1.8 |
| B04 | No | Where do humans interpret senses? | 43 | 2.0 | 47 | 2.4 | 39 | 2.6 |
| C06 | No | Which animal eats only plants? | 81 | 1.3 | 82 | 1.9 | 80 | 1.8 |
| C08 | No | What gas in the air do we need in order to live? | 72 | 1.7 | 71 | 2.1 | 73 | 2.4 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 51 | 2.1 | 50 | 2.4 | 51 | 3.0 |
| D03 | No | Which of the following animals does not lay eggs? | 76 | 1.9 | 77 | 2.3 | 75 | 2.8 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 43 | 2.1 | 49 | 2.6 | 36 | 3.1 |
| F01 | No | Which of the following plants is grown for food? | 81 | 1.3 | 79 | 2.0 | 84 | 1.9 |
| G05 | No | Where does air go when a person breathes in? | 82 | 1.4 | 83 | 1.8 | 80 | 2.1 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 75 | 1.7 | 75 | 1.8 | 74 | 2.5 |
| H02 | No | How can washing your hands help keep you from getting sick? | 69 | 1.7 | 69 | 2.5 | 70 | 2.1 |
| H04 | No | Which of the following will most likely affect your adult height? | 54 | 2.0 | 54 | 2.6 | 53 | 2.9 |
| N02 | Yes | Which of the following refers only to living things? | 59 | 3.1 | 58 | 4.1 | 61 | 4.2 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 32 | 2.8 | 38 | 4.4 | 26 | 3.4 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 44 | 3.1 | 46 | 4.1 | 43 | 4.3 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 25 | 2.3 | 26 | 3.8 | 23 | 3.5 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 34 | 3.1 | 40 | 4.2 | 29 | 4.1 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 45 | 3.5 | 42 | 4.4 | 47 | 4.4 |
| O07 | Yes | Which of the following animal produces milk for its young? | 73 | 2.5 | 78 | 3.6 | 67 | 3.5 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 54 | 2.8 | 59 | 4.2 | 50 | 4.1 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 74 | 2.3 | 76 | 3.2 | 71 | 3.4 |
| P08 | Yes | Birds are different from insects in that birds have... | 39 | 3.0 | 44 | 4.3 | 34 | 4.6 |
| P09 | Yes | Seeds develop from which part of a plant? | 20 | 3.0 | 27 | 4.2 | 13 | 3.2 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 38 | 3.0 | 40 | 3.9 | 35 | 4.7 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 51 | 2.5 | 55 | 3.5 | 46 | 4.8 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 49 | 3.1 | 50 | 4.0 | 47 | 4.6 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 28 | 3.1 | 29 | 3.7 | 27 | 4.6 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 45 | 3.5 | 47 | 4.5 | 43 | 4.5 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 53 | 3.1 | 48 | 3.8 | 58 | 4.4 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 30 | 3.4 | 32 | 4.4 | 29 | 4.0 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 30 | 3.4 | 32 | 3.9 | 28 | 4.4 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 19 | 2.0 | 22 | 2.4 | 17 | 2.7 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 10 | 1.2 | 14 | 2.3 | 7 | 1.3 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 13 | 1.8 | 14 | 2.8 | 11 | 2.0 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 47 | 2.8 | 48 | 3.5 | 47 | 3.4 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 50 | 2.5 | 49 | 3.2 | 51 | 3.1 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 28 | 2.3 | 28 | 2.9 | 28 | 3.3 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 37 | 2.0 | 39 | 3.0 | 35 | 3.0 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 13 | 1.4 | 15 | 2.1 | 12 | 2.1 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 30 | 2.3 | 32 | 2.8 | 27 | 3.0 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 6 | 0.9 | 5 | 1.1 | 7 | 1.4 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 36 | 2.3 | 34 | 2.9 | 37 | 3.6 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Portugal SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 70 | 1.3 | 72 | 1.4 | 68 | 1.8 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 64 | 1.7 | 69 | 1.9 | 59 | 2.4 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 57 | 1.7 | 58 | 2.1 | 57 | 2.6 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 35 | 1.7 | 37 | 2.2 | 33 | 2.4 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 51 | 1.7 | 55 | 2.2 | 46 | 2.2 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 49 | 2.2 | 53 | 2.7 | 44 | 2.8 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 71 | 1.8 | 72 | 2.3 | 70 | 2.8 |
| H01 | No | What happens to water when it boils? | 76 | 1.6 | 77 | 2.1 | 75 | 2.1 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 15 | 1.7 | 14 | 2.7 | 16 | 2.9 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 46 | 3.2 | 43 | 4.1 | 49 | 4.2 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 49 | 3.5 | 49 | 5.0 | 48 | 4.5 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 42 | 3.1 | 43 | 4.3 | 42 | 4.6 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 26 | 2.9 | 27 | 4.4 | 25 | 3.5 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 42 | 3.3 | 38 | 4.3 | 45 | 4.1 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 52 | 3.1 | 58 | 4.7 | 46 | 4.8 |
| P03 | Yes | Which of the following is not used as an energy source? | 29 | 2.9 | 32 | 4.6 | 27 | 3.3 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 26 | 2.9 | 26 | 3.6 | 26 | 3.8 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 27 | 2.7 | 29 | 3.9 | 26 | 3.4 |
| P07 | Yes | Which of the following travels fastest? (light) | 22 | 2.3 | 29 | 3.3 | 16 | 3.2 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 37 | 3.0 | 41 | 4.0 | 32 | 4.7 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 37 | 3.3 | 36 | 4.4 | 38 | 4.9 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 25 | 2.3 | 25 | 3.2 | 26 | 3.4 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 28 | 2.8 | 30 | 4.0 | 25 | 3.8 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 14 | 2.2 | 16 | 3.0 | 12 | 2.8 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 47 | 3.5 | 46 | 4.7 | 50 | 5.2 |
| R08 | Yes | Which of the following makes its own light? | 46 | 3.1 | 49 | 4.2 | 43 | 5.0 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 29 | 2.9 | 27 | 3.3 | 31 | 4.2 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 13 | 1.4 | 11 | 1.8 | 15 | 2.1 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 9 | 1.4 | 13 | 2.2 | 6 | 1.4 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 13 | 1.3 | 13 | 1.7 | 12 | 2.2 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Singapore SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 75 | 1.2 | 77 | 1.3 | 73 | 1.5 |
| A10 | No | The fossils of dinosaurs can be found where? | 78 | 1.0 | 81 | 1.0 | 75 | 1.3 |
| B02 | No | Shown diagram, where is the saltiest water found? | 42 | 1.5 | 46 | 1.7 | 39 | 1.8 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 53 | 1.3 | 52 | 1.7 | 53 | 1.8 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 72 | 1.0 | 73 | 1.4 | 71 | 1.2 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 87 | 1.0 | 87 | 1.2 | 88 | 1.2 |
| E09 | No | Given several recent floods, when will it flood next? | 39 | 1.1 | 40 | 1.4 | 39 | 1.8 |
| F02 | No | Each year the Earth moves once around which of the following? | 63 | 1.8 | 66 | 2.1 | 61 | 2.1 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 56 | 1.6 | 56 | 2.1 | 56 | 1.9 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 69 | 1.3 | 73 | 1.6 | 64 | 1.8 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 31 | 1.1 | 31 | 1.3 | 30 | 1.5 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 22 | 1.3 | 21 | 1.7 | 24 | 1.6 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 31 | 1.8 | 31 | 2.5 | 30 | 2.4 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 81 | 1.5 | 80 | 2.1 | 82 | 2.2 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 19 | 1.8 | 22 | 2.7 | 17 | 2.0 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 20 | 1.6 | 23 | 2.1 | 16 | 1.9 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 64 | 1.6 | 64 | 1.9 | 64 | 2.1 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 10 | 0.8 | 11 | 1.1 | 10 | 1.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Singapore SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 76 | 1.2 | 73 | 1.3 | 79 | 1.3 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 28 | 1.2 | 30 | 1.6 | 25 | 1.2 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 82 | 1.2 | 80 | 1.5 | 84 | 1.4 |
| O06 | Yes | Write down one example of how computers help people do their work. | 58 | 2.3 | 59 | 3.0 | 57 | 3.0 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 43 | 2.0 | 40 | 2.6 | 47 | 2.6 |
| Q07 | Yes | Which of the following statements is not an observation? | 37 | 1.8 | 35 | 2.6 | 38 | 2.6 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 30 | 1.8 | 31 | 2.7 | 28 | 2.3 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 28 | 2.3 | 28 | 2.7 | 29 | 3.0 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 21 | 1.9 | 23 | 2.6 | 19 | 2.1 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 10 | 1.4 | 11 | 2.0 | 8 | 1.2 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Singapore SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 63 | 0.8 | 64 | 1.1 | 62 | 1.1 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 39 | 1.7 | 41 | 2.1 | 37 | 1.7 |
| B04 | No | Where do humans interpret senses? | 44 | 1.4 | 47 | 1.6 | 41 | 1.7 |
| C06 | No | Which animal eats only plants? | 91 | 0.7 | 92 | 0.9 | 90 | 1.0 |
| C08 | No | What gas in the air do we need in order to live? | 69 | 1.5 | 71 | 1.8 | 68 | 1.8 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 71 | 1.3 | 69 | 1.6 | 74 | 1.7 |
| D03 | No | Which of the following animals does not lay eggs? | 93 | 0.7 | 92 | 0.8 | 93 | 0.9 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 43 | 1.5 | 45 | 1.9 | 42 | 1.8 |
| F01 | No | Which of the following plants is grown for food? | 77 | 1.2 | 75 | 1.5 | 78 | 1.6 |
| G05 | No | Where does air go when a person breathes in? | 66 | 1.6 | 65 | 1.9 | 67 | 2.0 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 83 | 0.8 | 84 | 1.0 | 82 | 1.2 |
| H02 | No | How can washing your hands help keep you from getting sick? | 83 | 1.2 | 81 | 1.4 | 85 | 1.5 |
| H04 | No | Which of the following will most likely affect your adult height? | 40 | 1.1 | 39 | 1.3 | 40 | 1.6 |
| N02 | Yes | Which of the following refers only to living things? | 76 | 1.7 | 74 | 2.4 | 78 | 2.2 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 28 | 1.6 | 32 | 2.2 | 24 | 2.2 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 47 | 2.1 | 49 | 3.3 | 45 | 2.1 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 27 | 1.7 | 27 | 2.4 | 28 | 2.1 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 45 | 2.0 | 42 | 2.6 | 47 | 2.6 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 80 | 1.6 | 78 | 2.0 | 83 | 2.1 |
| O07 | Yes | Which of the following animal produces milk for its young? | 72 | 1.7 | 74 | 2.4 | 70 | 2.3 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 92 | 1.2 | 92 | 1.5 | 93 | 1.4 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 68 | 2.1 | 72 | 2.5 | 64 | 3.1 |
| P08 | Yes | Birds are different from insects in that birds have... | 68 | 1.9 | 69 | 2.2 | 67 | 2.7 |
| P09 | Yes | Seeds develop from which part of a plant? | 26 | 1.9 | 27 | 2.4 | 25 | 2.7 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 67 | 1.7 | 67 | 2.2 | 67 | 2.8 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 62 | 2.0 | 60 | 2.5 | 64 | 2.7 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 68 | 1.6 | 64 | 2.5 | 73 | 2.1 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 77 | 1.7 | 81 | 2.0 | 74 | 2.8 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 46 | 1.9 | 44 | 2.6 | 49 | 2.5 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 58 | 2.2 | 59 | 2.8 | 57 | 2.7 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 35 | 1.8 | 38 | 2.7 | 32 | 2.1 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 40 | 2.0 | 41 | 3.1 | 39 | 2.3 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 22 | 2.0 | 22 | 2.2 | 22 | 2.4 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 25 | 1.7 | 25 | 2.3 | 24 | 2.1 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 26 | 2.1 | 28 | 2.5 | 25 | 2.3 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 70 | 1.6 | 67 | 2.2 | 73 | 1.9 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 90 | 0.8 | 90 | 1.0 | 90 | 1.1 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 58 | 1.7 | 57 | 2.2 | 60 | 2.3 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 56 | 1.7 | 55 | 2.0 | 58 | 2.2 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 41 | 1.8 | 38 | 2.3 | 44 | 2.1 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 50 | 1.7 | 51 | 2.2 | 49 | 2.1 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 35 | 1.6 | 40 | 2.1 | 31 | 1.8 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 68 | 1.5 | 66 | 2.0 | 70 | 1.9 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Singapore SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 84 | 0.6 | 84 | 0.8 | 84 | 0.8 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 79 | 1.0 | 80 | 1.2 | 77 | 1.3 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 66 | 1.2 | 62 | 1.7 | 69 | 1.4 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 57 | 1.6 | 56 | 1.8 | 59 | 2.2 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 47 | 1.4 | 51 | 1.8 | 42 | 1.7 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 69 | 1.3 | 70 | 1.6 | 69 | 1.7 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 80 | 1.1 | 81 | 1.3 | 79 | 1.5 |
| H01 | No | What happens to water when it boils? | 68 | 1.0 | 68 | 1.3 | 67 | 1.7 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 32 | 1.6 | 36 | 2.3 | 28 | 2.7 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 48 | 2.1 | 45 | 3.3 | 51 | 2.7 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 65 | 2.2 | 64 | 3.0 | 65 | 2.8 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 63 | 2.0 | 61 | 2.8 | 66 | 2.9 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 38 | 1.8 | 39 | 2.5 | 37 | 2.3 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 50 | 2.0 | 51 | 2.7 | 50 | 2.1 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 72 | 1.9 | 71 | 2.7 | 73 | 2.4 |
| P03 | Yes | Which of the following is not used as an energy source? | 26 | 1.9 | 27 | 2.6 | 25 | 2.5 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 37 | 1.9 | 39 | 2.5 | 35 | 2.3 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 57 | 2.0 | 55 | 2.8 | 58 | 2.6 |
| P07 | Yes | Which of the following travels fastest? (light) | 32 | 2.0 | 37 | 3.0 | 26 | 2.7 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 31 | 1.7 | 32 | 2.6 | 30 | 2.3 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 39 | 2.4 | 45 | 3.1 | 33 | 2.8 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 41 | 1.7 | 46 | 2.5 | 36 | 2.2 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 44 | 1.9 | 45 | 2.6 | 44 | 2.9 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 15 | 1.2 | 20 | 1.9 | 11 | 1.4 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 67 | 1.6 | 67 | 2.2 | 67 | 2.1 |
| R08 | Yes | Which of the following makes its own light? | 47 | 2.0 | 53 | 2.4 | 42 | 3.1 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 28 | 1.7 | 28 | 2.3 | 27 | 2.1 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 28 | 1.4 | 27 | 1.6 | 30 | 2.2 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 37 | 1.9 | 37 | 2.2 | 37 | 2.4 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 45 | 1.9 | 46 | 2.7 | 44 | 2.5 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Thailand SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 35 | 1.9 | 35 | 2.7 | 36 | 1.9 |
| A10 | No | The fossils of dinosaurs can be found where? | 55 | 2.2 | 57 | 2.5 | 54 | 2.4 |
| B02 | No | Shown diagram, where is the saltiest water found? | 60 | 2.6 | 63 | 3.3 | 58 | 2.8 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 33 | 2.0 | 33 | 2.3 | 32 | 3.1 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 59 | 2.3 | 57 | 2.5 | 61 | 2.8 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 88 | 1.3 | 88 | 1.6 | 89 | 1.7 |
| E09 | No | Given several recent floods, when will it flood next? | 35 | 2.1 | 34 | 2.8 | 35 | 2.9 |
| F02 | No | Each year the Earth moves once around which of the following? | 51 | 2.5 | 54 | 3.2 | 47 | 3.5 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 35 | 2.9 | 34 | 2.6 | 36 | 4.3 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 62 | 2.8 | 64 | 3.3 | 60 | 3.3 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 23 | 2.1 | 23 | 2.6 | 23 | 2.4 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 26 | 3.1 | 26 | 3.0 | 26 | 3.9 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 24 | 3.8 | 26 | 4.7 | 22 | 4.7 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 53 | 3.5 | 52 | 4.8 | 55 | 4.3 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 16 | 3.8 | 10 | 3.2 | 21 | 5.4 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 13 | 2.2 | 14 | 2.4 | 12 | 3.6 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 49 | 3.1 | 46 | 4.0 | 51 | 3.7 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 21 | 3.7 | 18 | 4.0 | 23 | 4.3 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Thailand SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 85 | 1.4 | 82 | 1.6 | 88 | 1.5 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 48 | 2.3 | 45 | 2.5 | 50 | 3.2 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 65 | 2.9 | 58 | 3.5 | 72 | 3.1 |
| O06 | Yes | Write down one example of how computers help people do their work. | 41 | 3.6 | 36 | 4.2 | 45 | 4.8 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 30 | 2.8 | 26 | 3.7 | 34 | 4.4 |
| Q07 | Yes | Which of the following statements is not an observation? | 36 | 3.5 | 35 | 4.8 | 37 | 4.4 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 35 | 3.6 | 33 | 4.4 | 37 | 5.3 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 30 | 4.2 | 28 | 5.1 | 31 | 4.9 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 24 | 3.5 | 25 | 4.6 | 23 | 3.7 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 9 | 1.5 | 8 | 1.8 | 10 | 2.0 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Thailand SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 62 | 2.3 | 58 | 2.1 | 66 | 2.8 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 54 | 2.2 | 52 | 2.6 | 56 | 2.8 |
| C06 | No | Which animal eats only plants? | 89 | 1.3 | 90 | 1.8 | 88 | 1.8 |
| C08 | No | What gas in the air do we need in order to live? | 48 | 2.5 | 51 | 3.2 | 46 | 2.8 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 66 | 2.4 | 66 | 2.7 | 66 | 3.1 |
| D03 | No | Which of the following animals does not lay eggs? | 92 | 1.4 | 90 | 1.7 | 94 | 1.7 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 40 | 2.1 | 42 | 2.6 | 38 | 3.3 |
| F01 | No | Which of the following plants is grown for food? | 91 | 1.2 | 91 | 1.7 | 91 | 1.6 |
| G05 | No | Where does air go when a person breathes in? | 51 | 2.8 | 53 | 3.0 | 50 | 3.7 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 88 | 1.4 | 87 | 1.7 | 89 | 1.8 |
| H02 | No | How can washing your hands help keep you from getting sick? | 59 | 2.6 | 59 | 3.0 | 60 | 3.2 |
| H04 | No | Which of the following will most likely affect your adult height? | 31 | 2.7 | 33 | 3.5 | 29 | 3.1 |
| N02 | Yes | Which of the following refers only to living things? | 64 | 3.8 | 64 | 4.0 | 65 | 5.5 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 31 | 3.3 | 28 | 3.9 | 34 | 4.7 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 31 | 3.9 | 28 | 4.8 | 34 | 5.5 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 26 | 2.4 | 24 | 3.3 | 28 | 4.7 |
| O02 | Yes | Why did seeds placed on moist cotton sprout, but not those covered with water? | 25 | 3.6 | 17 | 3.4 | 31 | 5.3 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 60 | 3.7 | 58 | 5.5 | 62 | 4.5 |
| O07 | Yes | Which of the following animal produces milk for its young? | 76 | 3.6 | 70 | 5.4 | 81 | 3.7 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 68 | 3.0 | 69 | 3.6 | 67 | 3.9 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 60 | 3.8 | 65 | 4.6 | 54 | 4.9 |
| P08 | Yes | Birds are different from insects in that birds have... | 47 | 3.9 | 51 | 4.7 | 42 | 4.2 |
| P09 | Yes | Seeds develop from which part of a plant? | 52 | 3.7 | 57 | 4.9 | 45 | 4.2 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 27 | 3.3 | 30 | 4.5 | 25 | 4.6 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 40 | 3.0 | 45 | 3.9 | 36 | 4.2 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 57 | 3.7 | 54 | 5.1 | 59 | 4.5 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 12 | 2.1 | 10 | 2.9 | 13 | 2.7 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 33 | 4.0 | 29 | 4.2 | 36 | 5.7 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 55 | 3.9 | 51 | 6.7 | 57 | 4.7 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 63 | 3.5 | 58 | 4.8 | 67 | 5.1 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 22 | 2.3 | 24 | 3.9 | 20 | 3.3 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 8 | 1.8 | 8 | 1.8 | 9 | 2.2 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 13 | 2.2 | 10 | 2.7 | 16 | 2.7 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 31 | 3.5 | 29 | 5.0 | 34 | 3.8 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 39 | 3.1 | 36 | 4.0 | 41 | 3.7 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 62 | 3.1 | 60 | 3.6 | 64 | 3.7 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 41 | 2.5 | 40 | 3.2 | 42 | 2.8 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 28 | 4.2 | 27 | 4.3 | 28 | 5.1 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 18 | 2.8 | 15 | 2.3 | 20 | 4.8 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 11 | 1.9 | 9 | 1.5 | 12 | 3.2 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 7 | 1.8 | 6 | 1.6 | 9 | 3.0 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 18 | 1.7 | 18 | 2.8 | 17 | 2.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Thailand SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 83 | 1.3 | 82 | 1.4 | 83 | 1.6 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 63 | 2.0 | 59 | 2.4 | 66 | 2.6 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 57 | 2.9 | 55 | 3.8 | 59 | 3.0 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 48 | 1.9 | 48 | 2.1 | 49 | 2.7 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 52 | 2.5 | 52 | 2.8 | 51 | 3.6 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 59 | 2.0 | 58 | 2.5 | 60 | 2.8 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 67 | 2.1 | 67 | 2.4 | 68 | 2.5 |
| H01 | No | What happens to water when it boils? | 61 | 2.2 | 60 | 3.0 | 62 | 2.5 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 32 | 2.7 | 37 | 3.1 | 27 | 3.8 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 20 | 3.1 | 22 | 3.5 | 19 | 4.2 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 21 | 2.5 | 22 | 3.3 | 20 | 3.4 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 43 | 3.8 | 42 | 5.0 | 45 | 4.3 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 27 | 3.7 | 30 | 4.7 | 25 | 4.5 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 60 | 3.1 | 57 | 4.1 | 63 | 4.3 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 42 | 3.6 | 41 | 4.2 | 43 | 5.5 |
| P03 | Yes | Which of the following is not used as an energy source? | 28 | 3.7 | 33 | 4.8 | 22 | 5.3 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 13 | 3.1 | 13 | 3.4 | 12 | 4.6 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 26 | 3.3 | 30 | 4.3 | 22 | 4.1 |
| P07 | Yes | Which of the following travels fastest? (light) | 16 | 2.5 | 22 | 3.8 | 9 | 2.4 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 45 | 3.1 | 44 | 4.9 | 45 | 4.3 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 25 | 4.4 | 26 | 5.1 | 25 | 6.9 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 22 | 4.2 | 19 | 4.2 | 25 | 6.1 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 35 | 4.0 | 33 | 5.1 | 37 | 5.3 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 8 | 1.6 | 6 | 2.0 | 9 | 2.2 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 52 | 3.7 | 49 | 5.2 | 54 | 4.5 |
| R08 | Yes | Which of the following makes its own light? | 29 | 3.1 | 33 | 4.7 | 27 | 4.3 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 17 | 2.8 | 19 | 3.3 | 16 | 4.1 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 23 | 3.4 | 20 | 4.0 | 26 | 3.9 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 10 | 3.5 | 10 | 3.0 | 11 | 4.2 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=England SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 67 | 1.2 | 70 | 1.7 | 63 | 1.6 |
| A10 | No | The fossils of dinosaurs can be found where? | 79 | 1.0 | 80 | 1.4 | 79 | 1.2 |
| B02 | No | Shown diagram, where is the saltiest water found? | 67 | 1.2 | 67 | 1.6 | 66 | 1.9 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 43 | 1.5 | 43 | 2.5 | 42 | 1.9 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 78 | 1.4 | 78 | 2.1 | 77 | 1.7 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 93 | 0.9 | 92 | 1.4 | 95 | 1.0 |
| E09 | No | Given several recent floods, when will it flood next? | 36 | 1.3 | 38 | 2.1 | 35 | 1.7 |
| F02 | No | Each year the Earth moves once around which of the following? | 68 | 1.4 | 73 | 1.8 | 63 | 2.1 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 55 | 1.6 | 56 | 2.2 | 53 | 2.2 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 65 | 1.7 | 69 | 2.1 | 61 | 2.0 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 24 | 1.7 | 24 | 2.3 | 23 | 2.1 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 32 | 1.7 | 35 | 2.2 | 28 | 1.9 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 27 | 2.2 | 34 | 3.5 | 20 | 2.7 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 75 | 2.5 | 81 | 3.3 | 70 | 3.9 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 33 | 2.9 | 38 | 4.3 | 29 | 4.0 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 26 | 1.7 | 30 | 2.6 | 23 | 2.4 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 63 | 2.0 | 62 | 2.7 | 63 | 2.6 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 32 | 2.3 | 31 | 2.8 | 32 | 3.3 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=England SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 80 | 1.0 | 76 | 1.5 | 83 | 1.1 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 36 | 1.5 | 39 | 2.3 | 33 | 1.9 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 69 | 1.4 | 67 | 2.2 | 71 | 1.6 |
| O06 | Yes | Write down one example of how computers help people do their work. | 62 | 2.8 | 66 | 4.0 | 57 | 4.2 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 33 | 2.4 | 32 | 3.3 | 34 | 3.3 |
| Q07 | Yes | Which of the following statements is not an observation? | 41 | 2.9 | 39 | 3.7 | 43 | 4.1 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 37 | 2.2 | 35 | 3.1 | 39 | 3.0 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 36 | 2.2 | 39 | 3.1 | 34 | 2.5 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 21 | 2.0 | 25 | 2.5 | 18 | 2.3 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 19 | 1.8 | 21 | 2.9 | 16 | 2.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=England SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 68 | 1.1 | 68 | 1.5 | 69 | 1.2 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 67 | 1.7 | 67 | 2.1 | 68 | 2.0 |
| B04 | No | Where do humans interpret senses? | 62 | 1.2 | 61 | 1.8 | 64 | 1.7 |
| C06 | No | Which animal eats only plants? | 85 | 1.1 | 88 | 1.3 | 83 | 1.6 |
| C08 | No | What gas in the air do we need in order to live? | 82 | 1.2 | 84 | 1.8 | 80 | 2.0 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 61 | 1.6 | 62 | 2.1 | 60 | 2.1 |
| D03 | No | Which of the following animals does not lay eggs? | 92 | 0.9 | 91 | 1.2 | 92 | 1.1 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 51 | 1.9 | 55 | 2.7 | 47 | 2.1 |
| F01 | No | Which of the following plants is grown for food? | 80 | 1.3 | 81 | 1.6 | 78 | 1.7 |
| G05 | No | Where does air go when a person breathes in? | 81 | 1.3 | 79 | 1.8 | 82 | 1.7 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 84 | 1.0 | 84 | 1.8 | 84 | 1.5 |
| H02 | No | How can washing your hands help keep you from getting sick? | 88 | 1.1 | 86 | 2.1 | 91 | 1.1 |
| H04 | No | Which of the following will most likely affect your adult height? | 43 | 1.7 | 41 | 2.3 | 44 | 2.3 |
| N02 | Yes | Which of the following refers only to living things? | 71 | 2.4 | 69 | 4.2 | 73 | 3.1 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 30 | 2.7 | 31 | 3.8 | 29 | 3.5 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 68 | 2.3 | 69 | 3.4 | 68 | 3.2 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 32 | 2.4 | 34 | 3.8 | 30 | 3.5 |
| O02 | Yes | Why did seeds placed on moist cotton sprout, but not those covered with water? | 33 | 2.6 | 33 | 3.5 | 33 | 3.8 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 61 | 3.2 | 58 | 4.2 | 65 | 4.2 |
| O07 | Yes | Which of the following animal produces milk for its young? | 63 | 2.8 | 66 | 3.9 | 60 | 4.0 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 92 | 1.3 | 92 | 2.0 | 93 | 1.9 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 87 | 1.8 | 90 | 2.3 | 85 | 2.8 |
| P08 | Yes | Birds are different from insects in that birds have... | 50 | 2.4 | 50 | 3.7 | 51 | 3.5 |
| P09 | Yes | Seeds develop from which part of a plant? | 29 | 2.6 | 30 | 3.7 | 27 | 3.6 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 61 | 3.1 | 64 | 3.9 | 58 | 4.3 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 59 | 2.7 | 55 | 3.7 | 63 | 3.2 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 62 | 2.8 | 61 | 4.0 | 64 | 3.6 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 40 | 2.7 | 42 | 3.6 | 38 | 4.0 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 60 | 2.9 | 56 | 4.2 | 63 | 3.5 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 75 | 2.4 | 74 | 3.5 | 75 | 2.7 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 36 | 2.4 | 36 | 3.6 | 36 | 3.8 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 55 | 3.0 | 54 | 3.7 | 55 | 3.8 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 45 | 2.1 | 47 | 2.5 | 44 | 2.8 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 19 | 1.5 | 22 | 2.2 | 16 | 1.7 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 37 | 2.3 | 41 | 2.7 | 33 | 2.8 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 77 | 1.7 | 76 | 2.4 | 77 | 2.5 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 81 | 1.4 | 82 | 2.2 | 81 | 2.0 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 54 | 2.1 | 53 | 3.2 | 54 | 2.3 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 60 | 2.0 | 60 | 2.8 | 60 | 2.6 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 29 | 1.8 | 29 | 2.7 | 29 | 2.5 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 53 | 1.9 | 56 | 2.5 | 50 | 2.7 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 38 | 2.1 | 38 | 2.6 | 37 | 2.7 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 60 | 2.1 | 60 | 2.7 | 61 | 2.6 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=England SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 83 | 0.8 | 83 | 1.2 | 83 | 1.2 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 69 | 1.5 | 69 | 2.0 | 69 | 2.0 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 63 | 1.6 | 61 | 2.2 | 64 | 2.1 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 60 | 1.7 | 60 | 2.2 | 61 | 2.4 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 66 | 1.6 | 65 | 2.0 | 67 | 2.1 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 65 | 1.5 | 67 | 1.9 | 62 | 2.2 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 88 | 1.0 | 86 | 1.6 | 90 | 1.2 |
| H01 | No | What happens to water when it boils? | 61 | 1.7 | 66 | 2.1 | 57 | 2.6 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 28 | 2.5 | 33 | 4.2 | 24 | 3.1 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 53 | 3.0 | 52 | 4.8 | 55 | 4.0 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 66 | 2.9 | 67 | 3.7 | 64 | 3.8 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 56 | 2.8 | 59 | 4.2 | 53 | 3.3 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 36 | 3.0 | 39 | 3.9 | 32 | 3.6 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 57 | 2.7 | 56 | 3.5 | 58 | 4.5 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 44 | 2.6 | 47 | 4.4 | 42 | 3.6 |
| P03 | Yes | Which of the following is not used as an energy source? | 29 | 2.4 | 31 | 3.5 | 26 | 3.5 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 23 | 2.6 | 23 | 3.4 | 22 | 3.4 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 49 | 2.9 | 48 | 4.0 | 49 | 3.8 |
| P07 | Yes | Which of the following travels fastest? (light) | 33 | 2.7 | 43 | 4.1 | 24 | 3.3 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 51 | 2.9 | 49 | 4.3 | 52 | 3.4 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 52 | 2.6 | 51 | 3.9 | 52 | 3.7 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 44 | 3.1 | 44 | 3.8 | 44 | 4.2 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 56 | 3.1 | 57 | 3.5 | 55 | 4.2 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 21 | 2.0 | 26 | 2.9 | 16 | 2.7 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 55 | 2.9 | 58 | 3.9 | 53 | 4.0 |
| R08 | Yes | Which of the following makes its own light? | 46 | 2.7 | 47 | 3.5 | 45 | 3.7 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 36 | 2.2 | 44 | 3.2 | 28 | 2.9 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 30 | 1.9 | 28 | 2.5 | 33 | 3.0 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 43 | 2.5 | 45 | 3.1 | 41 | 3.1 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 26 | 1.7 | 29 | 2.4 | 23 | 2.3 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Scotland SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 64 | 1.6 | 69 | 1.6 | 60 | 2.0 |
| A10 | No | The fossils of dinosaurs can be found where? | 77 | 1.1 | 79 | 1.4 | 76 | 1.2 |
| B02 | No | Shown diagram, where is the saltiest water found? | 64 | 1.7 | 65 | 2.1 | 63 | 2.2 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 32 | 1.8 | 36 | 2.5 | 28 | 2.3 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 76 | 1.3 | 77 | 2.1 | 75 | 1.8 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 93 | 0.8 | 93 | 1.3 | 93 | 1.0 |
| E09 | No | Given several recent floods, when will it flood next? | 36 | 1.5 | 29 | 2.0 | 43 | 2.3 |
| F02 | No | Each year the Earth moves once around which of the following? | 59 | 2.1 | 62 | 2.4 | 56 | 2.6 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 54 | 1.6 | 56 | 2.1 | 53 | 2.2 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 64 | 1.6 | 66 | 2.1 | 61 | 1.9 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 32 | 2.0 | 32 | 2.5 | 31 | 2.4 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 30 | 1.4 | 32 | 2.5 | 27 | 1.9 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 24 | 2.6 | 27 | 4.0 | 22 | 3.5 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 65 | 2.4 | 66 | 3.5 | 65 | 3.5 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 32 | 2.4 | 32 | 3.8 | 31 | 3.2 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 21 | 1.7 | 26 | 2.5 | 17 | 2.1 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 60 | 1.9 | 61 | 2.5 | 58 | 2.7 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 17 | 1.4 | 18 | 2.1 | 16 | 1.9 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Scotland SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 79 | 1.2 | 77 | 1.5 | 80 | 1.3 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 36 | 1.6 | 38 | 1.9 | 35 | 2.4 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 72 | 1.4 | 70 | 2.0 | 73 | 1.5 |
| O06 | Yes | Write down one example of how computers help people do their work. | 54 | 3.0 | 54 | 4.2 | 54 | 3.5 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 32 | 2.9 | 34 | 4.0 | 31 | 3.8 |
| Q07 | Yes | Which of the following statements is not an observation? | 38 | 2.4 | 37 | 3.3 | 39 | 3.4 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 33 | 2.5 | 32 | 3.3 | 33 | 4.0 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 29 | 2.3 | 35 | 2.7 | 24 | 2.7 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 18 | 1.8 | 18 | 2.3 | 18 | 2.2 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 14 | 1.5 | 14 | 1.8 | 14 | 2.0 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Scotland SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 69 | 1.0 | 70 | 1.4 | 68 | 1.4 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 58 | 1.8 | 56 | 2.3 | 60 | 2.2 |
| B04 | No | Where do humans interpret senses? | 60 | 1.7 | 59 | 2.0 | 61 | 2.1 |
| C06 | No | Which animal eats only plants? | 86 | 1.1 | 87 | 1.5 | 84 | 1.7 |
| C08 | No | What gas in the air do we need in order to live? | 77 | 1.5 | 79 | 2.0 | 75 | 2.1 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 54 | 1.8 | 57 | 2.2 | 52 | 2.4 |
| D03 | No | Which of the following animals does not lay eggs? | 93 | 0.9 | 92 | 1.3 | 93 | 1.1 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 47 | 1.7 | 48 | 2.7 | 45 | 1.9 |
| F01 | No | Which of the following plants is grown for food? | 80 | 1.4 | 80 | 1.8 | 80 | 1.8 |
| G05 | No | Where does air go when a person breathes in? | 76 | 1.5 | 76 | 1.9 | 76 | 2.0 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 82 | 1.5 | 81 | 2.0 | 82 | 2.0 |
| H02 | No | How can washing your hands help keep you from getting sick? | 89 | 1.0 | 88 | 1.4 | 91 | 1.3 |
| H04 | No | Which of the following will most likely affect your adult height? | 39 | 1.7 | 36 | 2.0 | 42 | 2.5 |
| N02 | Yes | Which of the following refers only to living things? | 72 | 2.6 | 72 | 3.7 | 72 | 3.4 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 24 | 2.2 | 28 | 3.3 | 20 | 2.8 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 66 | 2.7 | 62 | 4.2 | 69 | 3.7 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 38 | 2.7 | 38 | 3.7 | 38 | 3.6 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 37 | 2.8 | 33 | 3.8 | 41 | 3.8 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 53 | 2.7 | 45 | 4.0 | 60 | 3.5 |
| O07 | Yes | Which of the following animal produces milk for its young? | 53 | 2.9 | 54 | 3.8 | 53 | 3.7 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 93 | 1.4 | 90 | 2.3 | 96 | 1.5 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 87 | 2.1 | 89 | 2.3 | 85 | 3.0 |
| P08 | Yes | Birds are different from insects in that birds have... | 55 | 2.8 | 55 | 3.5 | 55 | 4.3 |
| P09 | Yes | Seeds develop from which part of a plant? | 24 | 2.3 | 27 | 3.3 | 20 | 2.9 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 59 | 2.8 | 62 | 3.0 | 56 | 4.4 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 61 | 2.6 | 58 | 3.7 | 63 | 4.1 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 59 | 2.7 | 56 | 3.7 | 62 | 3.8 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 38 | 2.9 | 45 | 4.0 | 31 | 3.7 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 55 | 2.7 | 51 | 3.7 | 58 | 4.0 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 64 | 2.8 | 64 | 3.7 | 63 | 3.8 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 36 | 2.2 | 34 | 3.4 | 38 | 3.5 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 51 | 2.6 | 52 | 3.3 | 49 | 4.1 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 37 | 2.0 | 39 | 2.9 | 35 | 2.4 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 16 | 1.5 | 16 | 2.2 | 16 | 1.7 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 37 | 2.1 | 39 | 2.6 | 34 | 2.8 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 67 | 1.8 | 61 | 2.8 | 72 | 2.1 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 79 | 1.6 | 80 | 2.2 | 78 | 2.1 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 49 | 2.2 | 51 | 3.0 | 49 | 2.8 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 60 | 1.8 | 60 | 2.6 | 59 | 2.5 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 31 | 1.9 | 32 | 2.3 | 30 | 2.6 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 51 | 2.0 | 51 | 2.9 | 51 | 2.4 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 33 | 1.7 | 36 | 2.3 | 31 | 2.8 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 58 | 1.9 | 57 | 2.5 | 58 | 2.8 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Scotland SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 81 | 1.0 | 81 | 1.3 | 80 | 1.2 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 65 | 1.5 | 69 | 1.9 | 60 | 2.2 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 65 | 1.9 | 63 | 2.5 | 66 | 2.2 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 56 | 1.9 | 53 | 2.4 | 60 | 2.3 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 59 | 1.7 | 58 | 2.4 | 59 | 2.1 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 61 | 1.8 | 60 | 2.3 | 61 | 2.6 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 84 | 1.1 | 82 | 1.5 | 86 | 1.5 |
| H01 | No | What happens to water when it boils? | 56 | 1.8 | 58 | 2.2 | 54 | 2.2 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 29 | 2.5 | 31 | 3.4 | 27 | 3.4 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 45 | 3.1 | 47 | 3.7 | 43 | 3.9 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 69 | 2.6 | 68 | 3.3 | 69 | 3.8 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 55 | 3.2 | 60 | 4.3 | 51 | 4.4 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 32 | 2.7 | 35 | 4.1 | 31 | 3.7 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 54 | 2.3 | 55 | 4.0 | 53 | 2.9 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 35 | 2.8 | 40 | 3.9 | 31 | 3.3 |
| P03 | Yes | Which of the following is not used as an energy source? | 32 | 2.5 | 37 | 3.9 | 27 | 3.3 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 16 | 2.4 | 17 | 3.3 | 15 | 3.4 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 48 | 2.7 | 51 | 3.5 | 46 | 4.3 |
| P07 | Yes | Which of the following travels fastest? (light) | 25 | 2.6 | 33 | 3.9 | 16 | 2.6 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 40 | 2.7 | 42 | 3.4 | 38 | 3.9 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 45 | 2.8 | 50 | 3.6 | 41 | 3.6 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 43 | 3.1 | 46 | 4.2 | 40 | 4.1 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 49 | 2.4 | 53 | 3.6 | 45 | 3.6 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 17 | 2.2 | 21 | 3.2 | 13 | 2.9 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 50 | 2.4 | 54 | 3.5 | 45 | 3.8 |
| R08 | Yes | Which of the following makes its own light? | 45 | 2.8 | 46 | 3.9 | 45 | 3.5 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 29 | 2.5 | 32 | 3.6 | 27 | 3.5 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 28 | 2.1 | 26 | 2.7 | 30 | 2.7 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 30 | 2.2 | 30 | 2.6 | 31 | 2.9 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 22 | 1.6 | 27 | 2.6 | 15 | 2.2 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=United States SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 73 | 1.3 | 74 | 1.6 | 71 | 1.5 |
| A10 | No | The fossils of dinosaurs can be found where? | 84 | 0.8 | 84 | 1.0 | 85 | 0.9 |
| B02 | No | Shown diagram, where is the saltiest water found? | 72 | 1.3 | 70 | 1.7 | 73 | 1.7 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 39 | 2.2 | 41 | 3.0 | 37 | 2.0 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 83 | 1.3 | 83 | 1.5 | 83 | 2.0 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 93 | 0.7 | 92 | 1.2 | 93 | 1.1 |
| E09 | No | Given several recent floods, when will it flood next? | 47 | 1.6 | 47 | 2.4 | 48 | 2.0 |
| F02 | No | Each year the Earth moves once around which of the following? | 69 | 1.6 | 67 | 2.2 | 72 | 2.2 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 59 | 1.9 | 61 | 2.1 | 58 | 2.6 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 60 | 1.3 | 64 | 1.7 | 56 | 2.8 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 29 | 1.4 | 29 | 1.7 | 28 | 2.0 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 29 | 1.3 | 31 | 1.8 | 26 | 2.0 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 37 | 2.8 | 40 | 3.1 | 35 | 4.5 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 71 | 1.6 | 70 | 2.4 | 73 | 2.7 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 36 | 2.5 | 41 | 3.9 | 30 | 3.5 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 21 | 1.9 | 25 | 2.4 | 17 | 2.0 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 66 | 2.4 | 65 | 3.1 | 68 | 2.8 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 21 | 1.5 | 24 | 2.5 | 16 | 2.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=United States SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 81 | 1.0 | 80 | 1.3 | 83 | 1.1 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 39 | 1.8 | 41 | 2.6 | 38 | 2.3 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 76 | 1.5 | 75 | 2.1 | 78 | 1.9 |
| O06 | Yes | Write down one example of how computers help people do their work. | 67 | 2.4 | 62 | 3.8 | 72 | 3.1 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 43 | 3.2 | 42 | 4.6 | 45 | 4.1 |
| Q07 | Yes | Which of the following statements is not an observation? | 43 | 2.6 | 44 | 3.7 | 42 | 3.4 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 42 | 3.8 | 43 | 4.9 | 41 | 4.2 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 45 | 2.2 | 46 | 3.4 | 45 | 3.3 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 37 | 1.6 | 35 | 2.2 | 40 | 2.4 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 27 | 1.8 | 23 | 2.3 | 30 | 2.7 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=United States SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 64 | 1.1 | 65 | 1.8 | 63 | 1.4 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 67 | 1.7 | 68 | 2.2 | 65 | 2.2 |
| B04 | No | Where do humans interpret senses? | 63 | 1.2 | 63 | 1.9 | 64 | 1.8 |
| C06 | No | Which animal eats only plants? | 88 | 1.0 | 89 | 1.2 | 88 | 1.5 |
| C08 | No | What gas in the air do we need in order to live? | 82 | 1.5 | 82 | 1.6 | 81 | 1.9 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 67 | 1.8 | 66 | 2.0 | 69 | 2.1 |
| D03 | No | Which of the following animals does not lay eggs? | 93 | 0.7 | 94 | 0.9 | 93 | 1.0 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 49 | 1.7 | 51 | 2.4 | 46 | 2.4 |
| F01 | No | Which of the following plants is grown for food? | 78 | 1.3 | 75 | 2.3 | 80 | 1.5 |
| G05 | No | Where does air go when a person breathes in? | 80 | 1.3 | 79 | 1.4 | 82 | 2.3 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 83 | 1.1 | 82 | 1.5 | 85 | 1.6 |
| H02 | No | How can washing your hands help keep you from getting sick? | 92 | 0.9 | 89 | 1.2 | 95 | 0.9 |
| H04 | No | Which of the following will most likely affect your adult height? | 36 | 1.3 | 35 | 1.9 | 38 | 2.2 |
| N02 | Yes | Which of the following refers only to living things? | 67 | 2.5 | 68 | 3.2 | 67 | 3.8 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 46 | 2.4 | 48 | 3.6 | 44 | 3.9 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 57 | 3.4 | 53 | 4.6 | 61 | 4.2 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 37 | 2.3 | 36 | 3.9 | 38 | 4.3 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 37 | 2.9 | 37 | 3.6 | 38 | 3.8 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 68 | 3.0 | 64 | 3.6 | 72 | 4.5 |
| O07 | Yes | Which of the following animal produces milk for its young? | 62 | 3.3 | 60 | 4.7 | 64 | 4.0 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 96 | 1.0 | 95 | 1.6 | 97 | 1.1 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 94 | 1.1 | 93 | 1.5 | 95 | 1.7 |
| P08 | Yes | Birds are different from insects in that birds have... | 59 | 2.4 | 56 | 3.0 | 63 | 3.9 |
| P09 | Yes | Seeds develop from which part of a plant? | 30 | 2.0 | 31 | 3.0 | 29 | 3.8 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 70 | 2.5 | 72 | 3.2 | 67 | 3.3 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 50 | 3.3 | 53 | 3.6 | 46 | 5.1 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 70 | 2.5 | 66 | 3.3 | 74 | 3.7 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 54 | 3.1 | 60 | 3.7 | 48 | 3.8 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 56 | 2.9 | 55 | 4.2 | 58 | 4.1 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 75 | 2.3 | 72 | 3.8 | 79 | 2.8 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 48 | 3.0 | 47 | 4.3 | 48 | 3.4 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 51 | 2.7 | 52 | 5.0 | 50 | 3.7 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 55 | 2.0 | 54 | 2.3 | 57 | 2.8 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 23 | 1.8 | 25 | 2.1 | 22 | 2.7 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 41 | 2.1 | 44 | 3.0 | 37 | 2.7 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 75 | 1.3 | 72 | 2.4 | 78 | 2.0 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 87 | 1.2 | 87 | 1.5 | 87 | 1.5 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 48 | 2.6 | 49 | 3.2 | 46 | 3.3 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 62 | 2.0 | 59 | 3.0 | 66 | 2.6 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 35 | 2.0 | 36 | 3.0 | 35 | 2.9 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 61 | 2.3 | 61 | 3.0 | 61 | 3.3 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 48 | 2.6 | 49 | 3.2 | 47 | 3.5 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 65 | 1.7 | 67 | 2.4 | 64 | 2.5 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=United States SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 85 | 0.7 | 86 | 0.9 | 84 | 1.0 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 64 | 1.8 | 65 | 2.0 | 62 | 2.2 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 61 | 1.8 | 63 | 1.9 | 58 | 2.5 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 60 | 1.5 | 57 | 2.3 | 62 | 2.2 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 70 | 1.4 | 72 | 2.0 | 67 | 2.4 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 72 | 1.4 | 70 | 2.0 | 73 | 2.0 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 85 | 1.2 | 84 | 1.7 | 88 | 1.4 |
| H01 | No | What happens to water when it boils? | 78 | 1.1 | 78 | 1.7 | 78 | 1.6 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 25 | 2.7 | 26 | 3.7 | 23 | 3.1 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 54 | 2.5 | 52 | 3.2 | 57 | 3.8 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 62 | 3.1 | 59 | 3.6 | 66 | 4.0 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 52 | 2.9 | 49 | 4.4 | 56 | 4.0 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 37 | 2.6 | 43 | 3.6 | 30 | 4.0 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 47 | 3.7 | 54 | 4.9 | 40 | 3.8 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 35 | 2.8 | 37 | 4.5 | 33 | 3.8 |
| P03 | Yes | Which of the following is not used as an energy source? | 33 | 2.5 | 38 | 3.8 | 27 | 3.7 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 17 | 1.9 | 19 | 2.6 | 14 | 2.4 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 39 | 2.9 | 46 | 3.5 | 29 | 4.3 |
| P07 | Yes | Which of the following travels fastest? (light) | 33 | 2.9 | 43 | 3.8 | 22 | 3.1 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 41 | 3.0 | 42 | 3.2 | 40 | 4.2 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 52 | 2.9 | 59 | 4.1 | 44 | 4.0 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 36 | 2.1 | 41 | 3.5 | 31 | 4.1 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 59 | 2.8 | 62 | 3.9 | 56 | 3.9 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 12 | 1.6 | 14 | 2.3 | 9 | 1.9 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 65 | 2.8 | 64 | 3.6 | 66 | 4.1 |
| R08 | Yes | Which of the following makes its own light? | 54 | 3.2 | 56 | 3.6 | 52 | 4.8 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 43 | 2.5 | 47 | 4.2 | 39 | 4.2 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 28 | 1.7 | 23 | 1.8 | 32 | 2.6 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 44 | 2.4 | 41 | 3.4 | 48 | 2.8 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 28 | 2.1 | 31 | 3.2 | 24 | 2.6 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Slovenia SCALE=Earth Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A08 | No | What covers most of the Earth's surface? | 56 | 1.8 | 60 | 2.0 | 52 | 2.4 |
| A10 | No | The fossils of dinosaurs can be found where? | 74 | 1.1 | 78 | 1.1 | 70 | 1.6 |
| B02 | No | Shown diagram, where is the saltiest water found? | 78 | 1.3 | 81 | 1.6 | 73 | 2.3 |
| C09 | No | Where are large amounts of metals like iron and aluminum found? | 33 | 1.8 | 33 | 2.4 | 32 | 2.4 |
| D04 | No | Shown diagram of Earth, which layer is the hottest? | 67 | 1.8 | 74 | 2.2 | 60 | 3.0 |
| E06 | No | Which of the following is hottest? (astronomical bodies) | 94 | 0.8 | 95 | 1.2 | 94 | 1.1 |
| E09 | No | Given several recent floods, when will it flood next? | 56 | 2.0 | 55 | 2.5 | 57 | 3.0 |
| F02 | No | Each year the Earth moves once around which of the following? | 51 | 2.1 | 55 | 2.5 | 46 | 2.6 |
| F03 | No | Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. | 62 | 1.7 | 59 | 2.4 | 65 | 2.3 |
| G07 | No | Shown several diagrams of a tree and its shadow, which shows the shadow at noon? | 71 | 1.6 | 75 | 2.1 | 66 | 2.5 |
| G08 | No | Which of the following pictures best shows how an iceberg floats in sea water? | 31 | 1.5 | 30 | 2.0 | 32 | 2.2 |
| H03 | No | Shown diagram with river, draw an arrow showing direction of water flow. | 42 | 2.0 | 45 | 2.7 | 39 | 2.6 |
| N01 | Yes | Given temperatures and precipitation (table) in four towns, where could it have snowed? | 35 | 3.5 | 38 | 4.1 | 33 | 5.1 |
| O04 | Yes | The Moon produces no light, and yet it shines at night. Why is this? | 65 | 3.1 | 65 | 4.0 | 64 | 4.6 |
| O09 | Yes | Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? | 28 | 2.6 | 30 | 3.7 | 27 | 3.9 |
| Y01 | Yes | Why do the sun and Moon appear the same size when you look at them from Earth? | 22 | 2.3 | 26 | 2.7 | 18 | 2.6 |
| Z01A | Yes | Shown diagram of river flowing through wide plain, write one reason this is a good place for farming | 43 | 2.6 | 46 | 3.9 | 40 | 3.2 |
| Z01B | Yes | Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming | 22 | 1.9 | 22 | 2.5 | 21 | 2.5 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Slovenia SCALE=Environment and other content

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A07 | No | Which plant is not usually grown for food? | 72 | 1.2 | 69 | 1.4 | 74 | 1.6 |
| C07 | No | Which of the following is an example of the use of a renewable source? | 32 | 1.6 | 34 | 2.2 | 30 | 2.3 |
| E08 | No | What happens to plants and fish when a factory pours large amounts of hot water into a river? | 78 | 1.6 | 77 | 2.1 | 78 | 2.1 |
| O06 | Yes | Write down one example of how computers help people do their work. | 60 | 3.4 | 62 | 4.4 | 58 | 4.6 |
| P06 | Yes | To find out whether seeds grow better in light or dark, where would you put seeds? | 28 | 2.7 | 26 | 3.6 | 31 | 3.8 |
| Q07 | Yes | Which of the following statements is not an observation? | 32 | 2.9 | 32 | 4.1 | 32 | 4.0 |
| R02 | Yes | Which statement gives the best start toward finding which of three light bulbs is brightest? | 28 | 2.6 | 29 | 3.9 | 25 | 4.1 |
| W05A | Yes | Write down two different things that people can do to help reduce air pollution. 1st reason. | 44 | 2.3 | 44 | 2.3 | 43 | 3.9 |
| W05B | Yes | Write down two different things that people can do to help reduce air pollution. 2nd reason. | 24 | 1.8 | 26 | 2.5 | 22 | 2.5 |
| X03 | Yes | Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. | 12 | 1.8 | 11 | 2.2 | 13 | 2.1 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Slovenia SCALE=Life Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|---|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A09 | No | What happens if the body takes in more food than it uses? | 62 | 1.5 | 61 | 1.7 | 63 | 2.0 |
| B03 | No | If you throw each one of these things away, which will decay fastest? | 37 | 1.7 | 37 | 1.9 | 37 | 2.6 |
| B04 | No | Where do humans interpret senses? | 45 | 2.3 | 50 | 2.8 | 40 | 2.7 |
| C06 | No | Which animal eats only plants? | 95 | 0.8 | 95 | 0.9 | 95 | 1.2 |
| C08 | No | What gas in the air do we need in order to live? | 86 | 1.3 | 86 | 2.1 | 87 | 1.5 |
| D02 | No | Shown diagram of mouth, which teeth are used for grinding food? | 64 | 2.0 | 65 | 2.2 | 62 | 3.0 |
| D03 | No | Which of the following animals does not lay eggs? | 88 | 1.1 | 88 | 1.5 | 87 | 1.5 |
| E07 | No | What changes would you expect in pulse and breathing after running a 50 metre race? | 68 | 1.9 | 68 | 2.9 | 67 | 2.5 |
| F01 | No | Which of the following plants is grown for food? | 76 | 1.5 | 78 | 2.0 | 75 | 2.2 |
| G05 | No | Where does air go when a person breathes in? | 89 | 1.0 | 88 | 1.4 | 90 | 1.4 |
| G06 | No | Shown diagram of plant, which part takes in the most water? | 86 | 0.9 | 85 | 1.8 | 88 | 1.6 |
| H02 | No | How can washing your hands help keep you from getting sick? | 80 | 1.7 | 80 | 2.4 | 81 | 2.1 |
| H04 | No | Which of the following will most likely affect your adult height? | 57 | 1.8 | 58 | 2.7 | 56 | 2.6 |
| N02 | Yes | Which of the following refers only to living things? | 68 | 2.9 | 67 | 4.1 | 70 | 3.8 |
| N03 | Yes | Which of the following Celsius measures is closest to your temperature when you are not sick? | 46 | 3.1 | 46 | 4.2 | 46 | 4.5 |
| N05 | Yes | Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? | 66 | 2.8 | 73 | 3.8 | 59 | 4.4 |
| N06 | Yes | Where does a baby chick get its food while inside an egg? | 41 | 2.3 | 46 | 3.9 | 36 | 3.8 |
| O02 | Yes | Why did seeds placed on most cotton sprout, but not those covered with water? | 32 | 3.2 | 29 | 4.8 | 35 | 3.9 |
| O03 | Yes | Shown pictures of the stages of a plants growth, in which order did they occur? | 57 | 3.1 | 55 | 4.4 | 59 | 4.1 |
| O07 | Yes | Which of the following animal produces milk for its young? | 68 | 2.9 | 72 | 3.5 | 64 | 4.7 |
| P01 | Yes | When this caterpillar becomes an adult, which of the following pictures will it look like? | 83 | 2.5 | 82 | 3.5 | 83 | 3.1 |
| P02 | Yes | Which of the following pictures shows plants commonly found in a desert? | 76 | 2.8 | 81 | 3.4 | 71 | 4.1 |
| P08 | Yes | Birds are different from insects in that birds have... | 31 | 3.0 | 35 | 4.1 | 26 | 4.1 |
| P09 | Yes | Seeds develop from which part of a plant? | 55 | 3.0 | 56 | 4.3 | 54 | 3.8 |
| Q01 | Yes | Shown pictures of the stages in a butterfly's development, in which order did they take place? | 45 | 2.9 | 47 | 4.2 | 42 | 4.2 |
| Q02 | Yes | What is the best reason for including fruits and leafy vegetables in a healthy diet? | 72 | 3.2 | 71 | 4.3 | 73 | 4.4 |
| Q05 | Yes | When an animal breathes faster and its heart beats faster, the animal is most likely... | 74 | 2.3 | 72 | 3.4 | 76 | 3.9 |
| Q06 | Yes | Which of the following pictures does not show an insect? | 36 | 2.9 | 36 | 4.2 | 36 | 3.5 |
| R03 | Yes | What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? | 66 | 3.1 | 68 | 3.8 | 64 | 3.9 |
| R04 | Yes | What is the most important reason for people to use a sunscreen when they are outside in sunlight? | 72 | 2.9 | 73 | 4.1 | 71 | 3.5 |
| R06 | Yes | Which of the following groups contains only animals with a backbone? | 29 | 2.8 | 30 | 4.0 | 27 | 4.6 |
| R07 | Yes | Select environment a worm would prefer in terms of light and moisture. | 45 | 2.8 | 48 | 4.8 | 41 | 4.5 |
| W02 | Yes | Write down one thing your heart does that helps the other parts of your body. | 46 | 2.1 | 47 | 3.1 | 45 | 3.0 |
| W03 | Yes | Write down the reason why we get thirsty on a hot day and have to drink a lot. | 29 | 2.3 | 31 | 2.5 | 28 | 3.7 |
| W04 | Yes | The human brain is inside the skull. Write down one advantage of the skull being thick and strong. | 35 | 2.3 | 36 | 3.0 | 35 | 3.7 |
| X02 | Yes | Write down one reason why animals could not live in a world without plants. | 75 | 2.1 | 74 | 2.6 | 76 | 2.7 |
| X04 | Yes | Shown pictures of stages in a frog's growth, indicate order of the stages. | 72 | 2.6 | 72 | 3.2 | 71 | 3.3 |
| X05 | Yes | Identify characteristics of fish with respect to backbone and environment. | 58 | 2.1 | 63 | 3.1 | 53 | 2.9 |
| Y02A | Yes | Write down two changes that occur in children's bodies as they become adults. 1st answer | 44 | 2.2 | 47 | 2.9 | 40 | 3.2 |
| Y02B | Yes | Write down two changes that occur in children's bodies as they become adults. 2nd answer | 22 | 2.3 | 23 | 2.7 | 21 | 2.8 |
| Y03A | Yes | Besides escaping, what are two ways animals protect themselves? 1st answer | 47 | 2.2 | 48 | 3.0 | 45 | 2.9 |
| Y03B | Yes | Besides escaping, what are two ways animals protect themselves? 2nd answer | 27 | 2.4 | 28 | 3.5 | 26 | 2.8 |
| Z02 | Yes | Identify skin and skeletal features of various animals | 53 | 2.7 | 53 | 3.1 | 52 | 3.5 |

REL: Release Status (Yes= Item in Released Item Set)

COUNTRY ID=Slovenia SCALE=Physical Science

| ITEM | REL | LABEL | Third Grade | | | | | |
|------|-----|--|-------------|------|------|------|-------|------|
| | | | Overall | | Boys | | Girls | |
| | | | % | (se) | % | (se) | % | (se) |
| A06 | No | Shown three objects floating in water, which weighs the most? | 85 | 1.1 | 85 | 1.2 | 85 | 1.5 |
| B01 | No | A strong magnet will separate which of the following mixtures? | 65 | 1.6 | 71 | 2.1 | 58 | 2.1 |
| C05 | No | Same brick is put on a scale in three different ways. What will the scale show? | 82 | 1.3 | 79 | 1.8 | 84 | 1.7 |
| D01 | No | Why are kettles and kitchen pans often made of copper? | 59 | 1.7 | 59 | 2.6 | 59 | 2.2 |
| E05 | No | When you make soap bubbles, what is inside the bubbles? | 62 | 2.1 | 67 | 2.5 | 57 | 3.0 |
| F04 | No | Which of the following sets of time measurements is in order from shortest to longest? | 73 | 1.3 | 75 | 1.9 | 71 | 2.2 |
| G09 | No | Which of the following pairs could together cause a rainbow? | 88 | 1.2 | 87 | 1.4 | 88 | 1.9 |
| H01 | No | What happens to water when it boils? | 87 | 1.2 | 86 | 1.9 | 88 | 1.6 |
| N04 | Yes | Shown picture of block of wood floating in fresh water, select picture of block in salt water. | 33 | 2.5 | 42 | 4.6 | 26 | 3.7 |
| N07 | Yes | Where does Keisha get the energy to push her bicycle uphill? | 45 | 3.1 | 42 | 4.3 | 47 | 4.5 |
| N08 | Yes | What is a powder made up of both white specks and black specks is likely to be? (mixture) | 45 | 3.0 | 43 | 4.2 | 47 | 4.2 |
| N09 | Yes | Shown diagrams of various boxes on scales, which has the least mass? | 49 | 2.7 | 54 | 4.4 | 44 | 3.6 |
| O01 | Yes | Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? | 41 | 3.5 | 45 | 4.7 | 36 | 4.2 |
| O05 | Yes | Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? | 45 | 3.0 | 41 | 4.0 | 48 | 4.4 |
| O08 | Yes | Which of the following is the easiest way to separate a mixture of iron filings and sand? | 33 | 2.8 | 40 | 4.2 | 25 | 3.3 |
| P03 | Yes | Which of the following is not used as an energy source? | 30 | 3.1 | 30 | 4.1 | 29 | 4.4 |
| P04 | Yes | Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. | 41 | 2.6 | 40 | 3.4 | 42 | 4.1 |
| P05 | Yes | Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? | 39 | 2.9 | 47 | 4.1 | 32 | 3.8 |
| P07 | Yes | Which of the following travels fastest? (light) | 29 | 2.8 | 36 | 4.6 | 21 | 3.1 |
| Q03 | Yes | Which item is most likely to stay the same after being buried in wet ground for several years? | 62 | 3.1 | 64 | 4.1 | 59 | 4.4 |
| Q04 | Yes | When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? | 78 | 2.6 | 79 | 3.6 | 77 | 3.5 |
| Q08 | Yes | Shown picture of pencil lying in front of mirror, draw reflection of the pencil. | 45 | 2.9 | 50 | 4.4 | 40 | 3.9 |
| Q09 | Yes | Why does the liquid in a thermometer rise when exposed to heat? | 39 | 3.1 | 45 | 4.1 | 32 | 4.0 |
| R01 | Yes | A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. | 18 | 2.5 | 25 | 3.9 | 11 | 2.4 |
| R05 | Yes | Shown picture of children playing with string telephone, one string tight and one slack, who can hear? | 42 | 3.2 | 46 | 4.5 | 38 | 5.3 |
| R08 | Yes | Which of the following makes its own light? | 48 | 3.0 | 48 | 4.9 | 48 | 4.5 |
| R09 | Yes | Which of the following is an advantage of solar energy? | 48 | 3.3 | 51 | 4.7 | 45 | 4.1 |
| W01 | Yes | Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? | 15 | 1.7 | 15 | 2.1 | 16 | 2.2 |
| X01 | Yes | Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? | 24 | 2.1 | 24 | 2.7 | 25 | 2.9 |
| Z03 | Yes | Shown diagram of blocks being compared on balances, which weighs the most? Why? | 23 | 2.0 | 27 | 3.1 | 18 | 2.2 |

REL: Release Status (Yes= Item in Released Item Set)