

Difficulty	Question	Outcome
5	In physics, work is measured in Joules	TRUE
2	Canine teeth are used for grinding food	FALSE
4	As the temperature increases, the solubility of gasses increases	FALSE
1	Magnets can stick to fridge doors because fridge doors contain a lot of plastic	FALSE
3	The deltoid muscle is located at the shoulders	TRUE
3	Amphibians are warm blooded	FALSE
2	The liver removes toxins from the blood	TRUE
1	The moon shines at night because it reflects light from the sun	TRUE
5	Microwaves contain more energy than visible light	FALSE
5	In physics, U-values measure how effective a material is an insulator	TRUE
3	Reptiles are vertebrates	TRUE
1	Rhinoceros are carnivores	FALSE
4	Asexual reproduction produces genetically identical offspring	TRUE
5	The acceleration of an object depends on the mass of the object	TRUE
4	Hurricanes usually only form if the sea temperature is less than 80 degrees Fahrenheit	FALSE
5	Heat transfers through outer space by radiation	TRUE
1	Rabbits are omnivores	FALSE
3	Butter contains little or no protein	TRUE
2	Materials that let electricity pass through them easily are called insulators	FALSE
5	In physics, kinetic particle theory links the movement of particles to chemical energy	FALSE
3	Mercury is the closest planet to the Sun	TRUE
2	Seasons are caused by the Earth's rotation around the Sun	FALSE
1	Ducklings are adult ducks	FALSE
4	White blood cells produce antigens to neutralize pathogens	FALSE
5	Kryptonite is commonly used as fuel in nuclear reactors to generate energy	FALSE
1	Crocodiles are mammals	FALSE
3	Carbon dioxide in the air is absorbed by plants	TRUE
3	The spleen filters blood and recycles old red blood cells	TRUE
2	Dandelions disperse their seeds by wind	TRUE
2	In physics, force is measured in Newtons	TRUE
4	Voluntary muscles are controlled by the cerebrum	TRUE
5	The rate at which an object transfers thermal energy depends on its surface area	TRUE
4	Hydrogen is a noble gas	FALSE
4	A country's carbon footprint measures their impact on the environment	TRUE
4	Epinephrine is a hormone prescribed to treat diabetes	FALSE
3	The most abundant gas in the Earth's atmosphere is Nitrogen	TRUE
5	Convex lenses are used to correct for short-sightedness	FALSE
4	The mass of an element equals the number of protons and electrons in one atom	FALSE
2	Sedimentary rocks are formed from cooled lava or magma	FALSE
1	Pitch describes the loudness of sounds	FALSE
3	The female reproductive cell is called a zygote	FALSE
3	Mitochondria are the cell's control centre	FALSE
5	Gamma radiation is the most dangerous type of nuclear radiation	TRUE
2	Baby horses are called ponies	FALSE

2	Respiration is the life process by which an organism synthesizes nutrients from sunlight	FALSE
3	Electrons are found at the centre of an atom	FALSE
5	Alpha radiation is commonly used to sterilize medical equipment	TRUE
1	A famine is when there is not enough food for people to eat	TRUE
1	The speed of an object equals the distance it is travelling over time	TRUE
1	Tadpoles lose their tails when they change into an adult frog	TRUE
1	Elephants are carnivores	FALSE
5	Heat transfer between objects occurs faster as the temperature difference between them decreases	FALSE
1	Water boils at 100 degrees Celsius at sea level	TRUE
5	When a charge flows through a resistor, it becomes positively charged	FALSE
2	Penguins are not naturally found in the north pole	TRUE
4	A catalyst has no effect on the equilibrium of a chemical system	TRUE
3	Red blood cells help your body fight pathogens	FALSE
4	In an ammonia molecule, hydrogen and nitrogen atoms share electrons	TRUE
3	"Co" is the symbol for Copper in the periodic table	FALSE
5	In physics, pressure is measured in Coulombs	FALSE
2	A solar eclipse occurs when the earth blocks the sun's light from reaching the moon	FALSE
5	Atoms of an element always have the same number of protons	TRUE
3	Joints attach muscles to the skeleton	FALSE
2	Herbivores are also known as primary consumers in the food chain	TRUE
1	Giraffes are born with long legs and necks	TRUE
5	In physics, electrical current is measured in Volts	FALSE
4	Electrons are lost or gained by atoms in ionic bonding	TRUE
1	A two year-old human is a toddler	TRUE
5	Infrared radiation has a longer wavelength than visible light	TRUE
4	In humans, the adrenal glands are found in the brain	FALSE
5	As the speed of a car increases, air resistance decreases	FALSE
1	Birds are not reptiles	FALSE
3	Animal cells do not contain chloroplasts	TRUE
3	Polar bears have a thick layer of fat for insulation	TRUE
1	Snails are animals	TRUE
2	Newts are commonly found in a desert environment	FALSE
2	Magnets are commonly made of iron	TRUE
3	Glass is an electrical conductor	FALSE
4	Earthquakes most commonly occur at the centre of tectonic plates	FALSE
1	Calves are baby cows	TRUE
2	Cellular respiration is the process of turning food into energy	TRUE
2	Cotton is a synthetic material	FALSE
1	Crabs have special front legs known as claws	TRUE
4	Antibiotics are ineffective against viruses	TRUE
1	Farm animals typically sleep on beds made of wool	FALSE
3	Light travels faster than sound	TRUE
5	The direction of a magnetic field is perpendicular to a wire carrying a current	TRUE
2	Ultraviolet light is invisible to the human eye	TRUE
5	The loudness of a sound wave is determined by its frequency	FALSE

3	Bleach is a strong acid	FALSE
2	A lack of Vitamin C causes scurvy	TRUE
4	During photosynthesis, chemical energy is converted into light energy	FALSE
4	A subsistence farmer is a farmer who focuses on raising animals and growing crops to feed their family	TRUE
4	Selective breeding results in an increased risk of diseases in the population	TRUE
4	Elements in the standard periodic table are arranged in terms of atomic mass	FALSE
1	Baby chickens are called hens	FALSE
2	The retina is the nerve that takes signals from the eye to the brain	FALSE
4	Combustion reactions are typically irreversible	TRUE
2	Snakes need to shed their skin regularly as they grow	TRUE
3	Penicillin, yeast, and mold are examples of bacteria	FALSE
2	Gestation is another name for pregnancy	TRUE
4	Darwin's theory was not widely accepted when it was first published in the late 19th century	TRUE
2	Sandpaper is typically made of sheets of paper or cloth coated with abrasive material	TRUE
3	"Cl" is the symbol for chlorine in the periodic table	TRUE
2	It takes the Earth one year to rotate once on its axis	FALSE
1	Flashlights produce light from electricity stored in batteries	TRUE
5	A cell or a battery produces an alternating current	FALSE
4	GNP measures total value of goods and services produced within the country in a single year	FALSE
5	Infrared radiation is typically used to sterilize medical equipment	FALSE
1	Hamsters hate to run	FALSE
1	The elbow is a joint	TRUE
1	Baby eagles typically learn to fly before they leave the nest	TRUE
2	An impermeable material is one that allows water to pass through it easily	FALSE
2	Rice is typically a good source of carbohydrates	TRUE
2	In winter, nights are longer than days	TRUE
2	Electromagnets are temporary magnets	TRUE
4	The amount of water in the body is regulated primarily via thyroid gland	FALSE
4	Hurricanes usually form over tropical seas	TRUE
2	Flour is made from ground grains or roots	TRUE
3	The heart is made of muscle cells known as smooth muscle	FALSE
1	Lizards typically have six legs	FALSE
5	The center of mass of a regular-shaped object is always located in the center of the object	FALSE
2	The sides of a river are called the channels	FALSE
5	Thermal energy naturally only flows from colder to hotter objects	FALSE
1	Magnets attract plastic	FALSE
1	Caterpillars turn into pupa before becoming a butterfly	TRUE
4	Fractional distillation uses the tensile strength of substances in crude oil to separate them	FALSE
4	Hydrogen gas is typically given off when group 1 elements react with water	TRUE
5	In physics, the weight of an object is equal to the object's mass times gravity	TRUE
4	An alkali is a substance that produces hydrogen ions when added to water	FALSE

5	Ultrasound refers to sound waves with frequencies below the audible limit of human hearing	FALSE
5	Convection of heat cannot occur for solids	TRUE
3	Pupils constrict depending on the amount of light	TRUE
1	Soap bubbles are mostly filled with water	FALSE
2	Nylon is a synthetic material	TRUE
2	When water boils it turns into steam	TRUE
2	Water is an opaque material	FALSE
1	Clay softens when heated in a kiln	FALSE
3	A full moon occurs when the Sun is completely illuminated by the Moon	FALSE
3	The muscular wall that separates the left and right sides of the heart is called the ventricle	FALSE
4	Increasing the number of impermeable rocks in rivers help decrease the flood risk	FALSE
1	Tortoises do not have flippers	TRUE
5	Fiber optic broadband is an example of an application of total internal refraction	TRUE
1	Crows build their nests in trees	TRUE
1	Children can typically walk by the time they become a toddler	TRUE
1	Baby kangaroos are called pups	FALSE
5	In physics, force equals mass times velocity	FALSE
5	Step-down transformers help reduce the voltage supplied to each appliance from the mains electricity	TRUE
2	Infrared light is invisible to the human eye	TRUE
3	Ribosomes are small organelles composed of RNA	TRUE
5	A vacuum can be used to induce a potential difference at the ends of a coil of wire	FALSE
2	Rubber is not attracted to magnets	TRUE
3	The top layer of the earth is called the crust	TRUE
4	Brass is an alloy containing primarily copper and zinc	TRUE
3	The female reproductive cell is called a blastocyst	FALSE
4	The maximum number of electrons in the first electron shell is 2	TRUE
1	It is possible to smell scents inhaled only through the mouth	TRUE
5	Energy is measured in Joules	TRUE
5	Infrared radiation generally cannot pass through walls	TRUE
3	Strong alkalis have a sour taste	FALSE
3	Incisors are the eight teeth in the front and center of your mouth	TRUE
2	Amperes are a measure of mass	FALSE
3	The muscle system makes up about half the weight of the average male body	TRUE
4	Food cooks faster in boiling vegetable oil than in boiling water	TRUE
4	One disadvantage of biofuels is that they are carbon neutral	FALSE
4	Height is an example of discontinuous variation in a trait	FALSE
4	Hormones are transported around the body via the peripheral nervous system	FALSE
3	The heart is divided into multiple chambers	TRUE
2	Oxygen is a product of respiration	FALSE
2	Crocodiles give birth to live young	FALSE
2	Metres is a measure of volume	FALSE
3	Argon is a halogen	FALSE
5	In physics, Coulombs are the units for power	FALSE
3	The smallest bone in the human body is found inside the wrist	FALSE

1	Hot steel is easier to shape than cold steel	TRUE
4	Pressure directly affects the solubility of gases in water	TRUE
3	A pH number of 14 indicates a strong base	TRUE
5	In physics, kinetic energy is equal to mass times velocity	FALSE
1	Magnets commonly have three poles	FALSE
2	Glass is a metal	FALSE
5	Resistance in a circuit can be calculated by measuring current and voltage	TRUE
5	In physics, the unit for charge is Ohms	FALSE
1	Gorillas typically live in forests	TRUE
4	Voluntary muscle messages are processed in the medulla of the brain	FALSE
5	Heat exchangers can be used to convert wasted heat energy into a useful source of power	TRUE
3	Rock formations found in caves that extend upwards are called stalactites	FALSE
4	When contours on a map are very close together, it indicates a steep slope	TRUE
2	Vitamin B can be synthesised by the body from exposure to sunlight	FALSE
3	Caveology is the science that involves studying caves and exploring them	FALSE
5	Wood is a poor conductor of heat	TRUE
4	The hormone progesterone is secreted by the ovaries	TRUE
1	Insects are part of Rabbits' diets	FALSE
1	Frogs usually lay their eggs in sand	FALSE
3	"Ca" is the symbol for calcium in the periodic table	TRUE
3	The testes produce a hormone called testosterone	TRUE
1	Herbivores eat both plants and animals	FALSE
5	An advantage of overhead electrical lines compared to underground lines is that they are cheaper to repair	TRUE
4	Aluminum is a widely used metal for its light and malleable properties	TRUE
3	Babies are considered full term at 30 weeks	FALSE
4	Decane splitting into octane and ethene is an example of a polymerization reaction	FALSE
1	Fish are not considered animals	FALSE
2	The source of power in an electrical circuit comes from the battery	TRUE
3	A newly fertilized human egg cell is called a zygote	TRUE
2	Oak trees produce acorns	TRUE
4	Skin and bones are two organs that form part of the auxiliary nervous system	FALSE
4	Penicillin was the first antibiotic to be discovered	TRUE
4	Ionic bonding holds the atoms together in water	FALSE
5	An increase in current through a wire exposed to a magnetic field will also increase the force experienced by the wire	TRUE
1	Goslings are baby ducks	FALSE
5	As a substance changes state from liquid to gas, the amount of energy particles have increases	TRUE
2	The Moon's orbit of the Earth lasts approximately 24 hours	FALSE
4	Suffocation is the main cause of death from avalanches	TRUE
3	Hedgehogs are nocturnal and hibernate during the winter	TRUE
5	In physics, the momentum of an object is equal to the mass of the object multiplied by its velocity	TRUE
1	Ferns typically grow on the ground in forests	TRUE
5	If a person's mass is 65 kilograms, their weight on Earth would be close to 65 newtons	FALSE

2	Gold, iron, and copper are all types of metals	TRUE
1	The speed of an object is measured in Volts	FALSE
2	The spinal nerves take signals from the ear to the brain	TRUE
4	Covalent bonding holds the atoms together in sodium chloride	FALSE
3	Sound frequency is measured in Joules	FALSE
4	Sensory neurons are responsible for sending messages from the brain to different glands in the body	FALSE
5	When a vehicle is in motion, the air resistance it experiences is a much lower force than the friction with the road	FALSE
2	Flowering plants produce many seeds which never grow	TRUE
4	Photosynthesis is an example of an endothermic reaction	TRUE
2	Magnets are usually made of plastic	FALSE
2	Mass is measured in Newtons	FALSE
4	The addictive substance in alcohol is called propanol	FALSE
2	Butter is liquid at room temperature	FALSE
2	Balloons are examples of gases trapped inside a solid	TRUE
5	In physics, pressure is equal to unit area divided by force	FALSE
4	Scurvy and anemia are diseases not caused by bacteria or viruses	TRUE
5	In a physics, current is defined as the flow of electrons through a circuit	TRUE
3	Plasma cells carry and release antibodies to help fight foreign pathogens	FALSE
3	Lithium is the only metal that is liquid at room temperature	FALSE
5	In physics, energy can be transferred, stored, and dissipated	TRUE
1	The leaves of the carrot plant are the most common part of the carrot plant eaten by humans	FALSE
2	Light travels at approximately 300,000 miles per second in a vacuum	FALSE
5	In a circuit, power refers to the rate at which energy is absorbed	FALSE
4	The estimated age of the earth is approximately 4.5 billion years	TRUE
2	Sound waves travel down the ear canal before hitting retina	FALSE
2	The moon generates its own light	FALSE
3	Light travels slower in air than water	FALSE
4	Earthquakes and volcanoes typically occur at the boundaries of tectonic plates	TRUE
5	If a charge flows through a resistor in a circuit, the resistor becomes negatively charged	FALSE
1	Baby swans are called ducklings	FALSE
1	Squirrels commonly live in trees	TRUE
3	When a female's body releases an egg it is known as ovulation	TRUE
4	Organisms working together to gain an advantage in competition is an example of parasitism	FALSE
5	In physics, the rate of evaporation is determined by both temperature and the surface area of the liquid	TRUE
3	The hip is an example of a hinge joint	FALSE
1	Trampolines typically contain dozens of coiled springs	TRUE
1	Baby leopards are called calves	FALSE
1	Most wood is typically harder than steel	FALSE
2	In plants, germination is when seeds leave the parent plant	FALSE
1	Alligators are mammals	FALSE
1	Walls are considered opaque because they do not let light through	TRUE

3	Lymphocytes are a type of white blood cell that help your body fight pathogens	TRUE
3	"Fe" is the symbol for iron in the periodic table	TRUE
4	Nitrogen can typically form up to two covalent bonds	FALSE
2	Mitosis and Meiosis are two types of cell division	TRUE
3	Our solar system is located in the Milky Way galaxy	TRUE
2	Cotton is a material harvested from animals	FALSE
2	Steel is made from a mixture of iron and other elements	TRUE
5	The frequency of a simple pendulum that oscillates 5 times per second is 5,000 Hertz	FALSE
3	Both penguins and sharks have developed gills for breathing underwater	FALSE
1	Rowdy means the opposite of noisy	FALSE
5	The terminal velocity of an object is reached when the object's acceleration exceeds 0	FALSE
1	Butterflies usually lay their eggs on leaves	TRUE
4	Hydrochloric acid in the stomach is an example of passive immunity in the body	TRUE
1	There are receptors for temperature on most of our skin	TRUE
4	The atomic number of an element tells us the number of neutrons in the nucleus	FALSE
3	The kneecap is also known as the radius	FALSE
4	Smallpox was the first disease for which a vaccine was produced	TRUE
5	Matte, black surfaces are typically the best reflectors of heat	FALSE
5	In physics, U-Values measure how effective a material is at absorbing carbon dioxide	FALSE
3	"Br" is the symbol for bronze in the periodic table	FALSE
3	Food from the esophagus enters the stomach	TRUE
1	Woodpeckers live in trees	TRUE
1	Crabs are amphibians	FALSE
2	Marble is a naturally-occurring material	TRUE
1	Water freezes at 0 degrees Celsius at sea level	TRUE
2	Seals, sharks, and whales are all classified as mammals	FALSE
3	Adaptation is when species develop characteristics over time which allow them to survive better in their environment	TRUE
4	The vacuoles of the cells are the main organelle involved when cloning animals from adult cells	FALSE
3	Plasma is the fluid in the body which is a mixture of water, minerals, nutrients, proteins, and other substances	TRUE
3	Canine teeth are used to hold and tear apart food	TRUE
5	X-rays are part of the electromagnetic spectrum	TRUE
3	The kidney produces acids and enzymes to help to kill bacteria and other infectious organisms consumed by a person	FALSE
5	The force experienced by a current-carrying wire can be reversed by reversing the direction of current/magnetic field	TRUE
4	The last ice age occurred during the Jurassic period	TRUE
5	Porcelain does not allow electricity to flow through it easily	TRUE
2	Mosses are classified as plants	TRUE
1	Lights contain a bulb that glows to produce light	TRUE
4	Electrons are found in the nucleus of a atom	FALSE
1	Matchboxes contain flammable material	TRUE
4	The main impact of deforestation is the loss of habitat for various living species	TRUE
3	White blood cells are also known as cytoplasm	FALSE

5	If an elastic material passes its point of proportionality, it will lose its elasticity and not return to its original size and shape	TRUE
5	In physics, the current of a resistor is inversely proportional to the potential difference across it	FALSE
2	Heavier objects have less momentum than lighter objects moving at the same speed	FALSE
1	Foxes have wool to keep them warm	FALSE
3	"Mg" is the symbol for magnesium in the periodic table	TRUE
5	Sound waves and electromagnetic waves are examples of longitudinal waves	FALSE
1	Convex lenses are commonly used to help people with hearing disabilities	FALSE
4	Hydrocarbates are essential to a balanced human diet	FALSE
2	Jaguars are commonly found on the American continents	TRUE
4	Energy changes in chemical reactions are commonly measured in kilowatts	FALSE
1	Baby tigers are called kittens	FALSE
1	Rubber is commonly used for its elastic properties	TRUE
3	The largest lymphatic organ is the liver	FALSE
2	Pandas originate from Egypt	FALSE
4	A substance with a pH of 8 is a strong acid	FALSE
3	In physics, pressure is measured in Pascals	TRUE
3	Stored energy due to gravity is called potential energy	TRUE
3	The nucleus is the cell's control centre	TRUE
5	When two different insulating materials are rubbed against each other, they become electrically charged	TRUE
3	Sandstone (which is grainy, crumbly and may contain fossils) is an example of sedimentary rock	TRUE
4	Buildup of glucosic acid is responsible for causing cramps after exercise	FALSE
2	Light travels more slowly through air than glass	FALSE
4	Selective breeding results in a smaller gene pool	TRUE
2	Insects and wind are common methods of pollination in plants	TRUE
3	Antibodies are the immune system's first line of defense	FALSE
5	In a circuit, a fuse can be reset after it is triggered	FALSE
3	The central nervous system consists of the brain and the spinal cord	TRUE
1	Batteries store chemical energy	TRUE
4	Increased pressure speeds up the rate of chemical reactions in both gases and liquids	FALSE
2	In physics, gravity is a force	TRUE
5	In physics, the stability of an object can be increased by lowering its center of mass	TRUE
2	Woodlice typically live in dark places	TRUE
2	The ovary of a plant grows into a flower	FALSE
3	The loudness of sound is measured in decibels	TRUE
1	At night, you cannot see the Sun	TRUE
2	Centimetres are a measure of length	TRUE
3	Arteries also carry lymphatic fluid to the capillaries	FALSE
4	Tsunamis are common secondary effects from earthquakes	TRUE
1	Dolphins typically live in swamps	FALSE
5	Coal, gas, and oil are all examples of fossil fuels	TRUE
1	Sounds that are too loud can damage our hearing	TRUE
5	Xenon is a fuel commonly used in nuclear power	FALSE
1	Bats are classified as birds	FALSE

4	There are four covalent bonds involved in a methane molecule	TRUE
4	Sedimentary rock typically form as a result of extremely high pressure or heat	FALSE
5	In physics, the turning effect of a force is known as a moment	TRUE
4	Nitrogen is the element that has 6 electrons	FALSE
5	Knowing an appliance's power consumption and potential difference would allow someone to calculate the current	TRUE
5	The purpose of the turbine in a power station is to turn the generator which produces electricity	TRUE
1	Balloons containing helium will float higher in air than balloons containing carbon dioxide	TRUE
2	Wool is commonly used for knitting	TRUE
4	Bacteria are the primary source of energy for most food chains	FALSE
1	The knee is a muscle	FALSE
4	Low atmospheric pressure lead to periods of drought	FALSE
2	Cactuses have modified leaves known as spines	TRUE
4	Carbon dioxide is an essential component required for photosynthesis	TRUE
1	Planes have wheels that help them move on the ground	TRUE
5	The smaller the heat difference between two objects, the faster the heat transfer between them	FALSE
1	Modern trains usually run on steam	FALSE
2	Kangaroos are commonly found in South Africa	FALSE
4	Some vaccines contain the live pathogen that has been treated to make it harmless	TRUE
2	School playgrounds are commonly made of tarmac or concrete	TRUE
2	Iron, copper, and nylon are all examples of metals	FALSE
4	An increase in pH is an example of an abiotic change in the environment	TRUE
4	The surface area to volume ratio for nanoparticles is much greater than that of larger particles	TRUE
3	Red blood cells are also known as leukocytes	FALSE
2	Pollination describes the moment a seed begins to grow	FALSE
1	Birds commonly eat seeds from plants	TRUE
4	Most of the Nitrogen that plants use are absorbed through their roots	TRUE
2	Plants make their own food from sunlight	TRUE
1	The engine of a car is typically found in the back of the car	FALSE
2	Erosion occurs when rivers deposit rocks and soils as they flow	FALSE
1	Cats often lick their own fur	TRUE
5	Geothermal energy refers to heat energy produced in underground nuclear power stations	FALSE
4	The first two electron shells in Neon are fully filled with electrons	TRUE
3	White blood cells form blood clots when bleeding occurs	FALSE
5	Kryptonite is a fuel commonly used in nuclear reactors	FALSE
3	The cerebrum makes up the majority of the brain	TRUE
3	The lungs are the largest organ of the body	FALSE
3	Junctions in the nervous system are known as axons	FALSE
4	When international aid is given directly from one country to another, it is called multilateral aid	FALSE
1	Cakes are commonly made from flour, butter, and eggs	TRUE

5	If the voltage in a circuit remains constant but the resistance is increased, current decreases	TRUE
1	Fish have fur to keep them warm	FALSE
5	Refraction can be defined as the change in direction of light as it passes from one medium to another	TRUE
5	In physics, DC electricity refers to a current that can travel bi-directionally	FALSE
3	Bile is produced in the gall bladder and stored in the liver	FALSE
5	Infrared radiation travels at a speed slower than wavelengths of light with higher frequencies	FALSE
2	Pollen grains are typically stored underneath a plant's petals	FALSE
5	For an elastic material, Boyle's law describes the relationship between stretch and the force applied	FALSE
2	The south pole of a magnet will repel the north pole of another magnet	FALSE
1	Flour is made from wheat	TRUE
5	In physics, work done is equal to the force needed to move an object multiplied by the distance it moved	TRUE
5	Aluminum is typically a good insulator against heat loss	FALSE
3	The hip bone is an example of the axial skeleton	FALSE
5	A sound wave with a long wavelength will have a low pitch	TRUE
3	The majority of elements in the periodic table are metals	TRUE
4	The core of the earth is the hotter than its outer layers	TRUE
3	The human male sex cell is known as the gonads	FALSE
2	The opposite of rough is smooth	TRUE
1	Plastics are generally less flexible than wood	FALSE
3	Cooled magma is not a common component of limestone	TRUE
2	Modern roads are commonly covered in tarmac	TRUE
2	Opaque means the opposite of transparent	TRUE
3	The diaphragm is located underneath the lungs and functions to help us breathe	TRUE
5	In physics, the unit for resistance is Ohms	TRUE
4	The kiwi is an extinct flightless bird that lived on the island of Mauritius	FALSE
1	Candles are commonly made of wax	TRUE
2	Litres is a measure of length	FALSE
5	In kinetic particle theory, all collisions within a system are assumed to be elastic	TRUE
1	Our tongues have several types of taste receptors	TRUE
5	Infrared radiation was first discovered over 200 years ago	TRUE
4	Secondary industries dominate the market in emerging economies	FALSE
5	The two most common forms of waste energy are heat and kinetic energy	FALSE
2	The seeds of a flowering plant grow into fruit	FALSE
5	The Doppler effect describes a decrease in the frequency of a wave as the source and observer meet	FALSE
1	Piano keys increase in pitch when moving from left to right	TRUE
1	Yachts move primarily due to the ocean currents	FALSE
2	Mosses are rarely found in desert environments	TRUE
2	Rubber is a poor conductor of electricity	TRUE
5	Shiny, white surfaces are typically poor absorbers of heat	TRUE
2	Plastic is a good conductor of electricity	FALSE
3	Molars (teeth) are mostly used to hold and tear food apart	FALSE

2	Respiration is the life process by which food is transformed into energy	FALSE
2	A brittle material is one that absorbs liquids easily	FALSE
3	"Na" is the symbol for Sodium in the periodic table	TRUE
3	Blood exits the human heart through the ventricles	TRUE
5	Electrostatic force is the centripetal force responsible for the circular motion of planets orbiting the Sun	FALSE
3	The cell membrane separates the interior of a cell and the exterior fluid surrounding a cell	TRUE
3	The voice box is also known as the epiglottis	FALSE
2	Carbohydrates provide the body with a source of energy	TRUE
3	The Cochlea is part of the outer ear	FALSE
3	Phosphorus is a metal	FALSE
4	Plant cells are easier to clone than animal cells	TRUE
3	The anvil is an inner ear structure filled with fluid	FALSE
3	The Arctic Hare change their coat colour depending on the season	TRUE
3	Neutral substances have a pH of 1	FALSE
2	Ceramics are not considered metals	TRUE
1	Metals are bad at absorbing heat	FALSE
1	Fish commonly have multiple types of fins	TRUE
3	Images appear on the retina upside down	TRUE
4	It is common for the dominant male lion in prides to chase some of the male cubs away as they approach sexual maturity	TRUE
4	Estrogen is commonly produced in the adrenal glands	TRUE
2	Caterpillars become a cocoon before turning into butterflies	TRUE
1	Daffodils are usually blue in color	FALSE
5	In physics, evaporation can be described as low energy particles breaking free of the liquid at the surface	FALSE
2	The Earth's orbit of the sun lasts approximately 24 hours	FALSE
3	When the triceps contract, they extend the leg at the knee joint	FALSE
4	Isotopes have the same number of protons, but different number of neutrons	TRUE
4	Asexual reproduction produces genetically identical offspring due to fusion of gametes	FALSE
2	In chemistry, a solution is when one material dissolves in another	TRUE
1	Objects that contain a lot of air float easily in water	TRUE
1	Most plants are red in color	FALSE
2	Reindeer are native to northern Europe	TRUE
2	Green objects absorb green light, but reflect all other colours	FALSE
3	The pitch of a string increases as the vibration frequency increases	TRUE
5	Electrical current is defined as the flow of electric charge	TRUE
3	The most reactive group 1 element in the periodic table is Lithium	FALSE
5	The amount of electrical energy transferred to an appliance depends on its power and the length of time it is switched on	TRUE
4	Subsistence farming is when crops are cultivated by farmers to be sold commercially	FALSE
3	Fingers and toes have joints called ball-and-socket joints	FALSE
1	Eagle owls are classified as birds	TRUE
1	Hearing aids are commonly used by people with hearing disabilities	TRUE
5	Both rough and smooth surfaces experience the same level of frictional force	FALSE

1	The velocity of an object is measured in hours per minute	FALSE
2	Glass is usually malleable	FALSE
3	The pulmonary artery pumps blood back into the left ventricle of the heart	FALSE
5	The size of an electric current depends on the flow of neutrons in the circuit	FALSE
4	Organisms that are tolerant of high levels of salt, high temperatures, or high pressures are called extremophages	FALSE
4	Filtration is commonly used to accurately measure volumes of liquids required for chemical reactions	FALSE
4	Antibiotic resistance in bacteria arises due to random mutations	TRUE
2	Beans are a good source of protein	TRUE
1	Most wavelengths of visible light cannot pass through transparent objects	FALSE
5	Watts refers to the flow of Joules per second	TRUE
5	Specific heat capacity refers to the amount of heat needed to raise a system's temperature by one degree	TRUE
1	Omnivores only eat meat	FALSE
4	Electrolysis is the process of splitting substances up using heat energy	FALSE
4	Random mutations in DNA are a common cause of mass extinction in a species	FALSE
1	Spiders typically have twelve legs	FALSE
3	The brain's frontal lobe is responsible for most higher-order functions such as planning, problem-solving, judgement, and creative thought.	TRUE
4	All organic compounds contain the element carbon	TRUE
5	If the voltage in a circuit is increased whilst the resistance remains constant, the current stays the same	FALSE
4	Enzymes are commonly used to cut out specific genes to place into other organisms	TRUE
1	Children typically learn to talk before they can walk	FALSE
1	Glass is commonly used in construction because it is opaque	FALSE
4	Deforestation is considered one of the main contributors to the greenhouse effect	TRUE
5	A kettle will have a power of 100 watts if it transfers 1,000 joules of energy in 10 seconds	TRUE
2	Aluminum is made from melted plastics	FALSE
4	Eye color is an example of continuous variation in a trait	FALSE
4	Transition elements are commonly used as catalysts in chemical reactions	TRUE
1	Tadpoles hatch from frogs' eggs	TRUE
4	Metallic bonds are typically stronger than covalent bonds	FALSE
1	Tomatoes grow on plants	TRUE
5	In physics, the unit for current is Volts	FALSE
5	As you dive deeper into the ocean, the hydrostatic pressure of the water increases	TRUE
5	The force applied to a current-carrying wire can be increased by decreasing the magnetic field	FALSE
1	Daylight is commonly used for drying clothes	TRUE
3	Epilepsy is a disorder of the nervous system	TRUE
2	Condensation is when a solid turns into a gas	FALSE
4	The pituitary gland is found in the brain	TRUE
5	A concave lens magnifies the perceived size of an object	FALSE
3	In the periodic table, each period refers to a horizontal row	TRUE