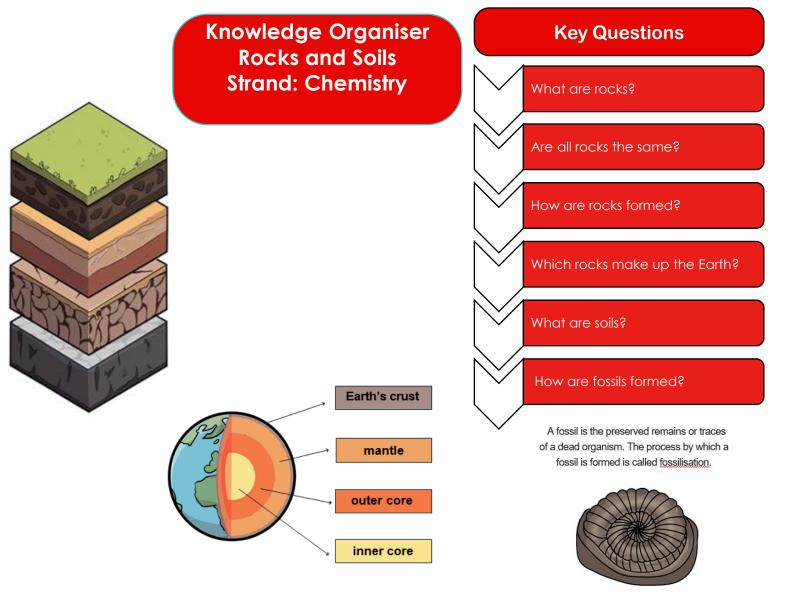
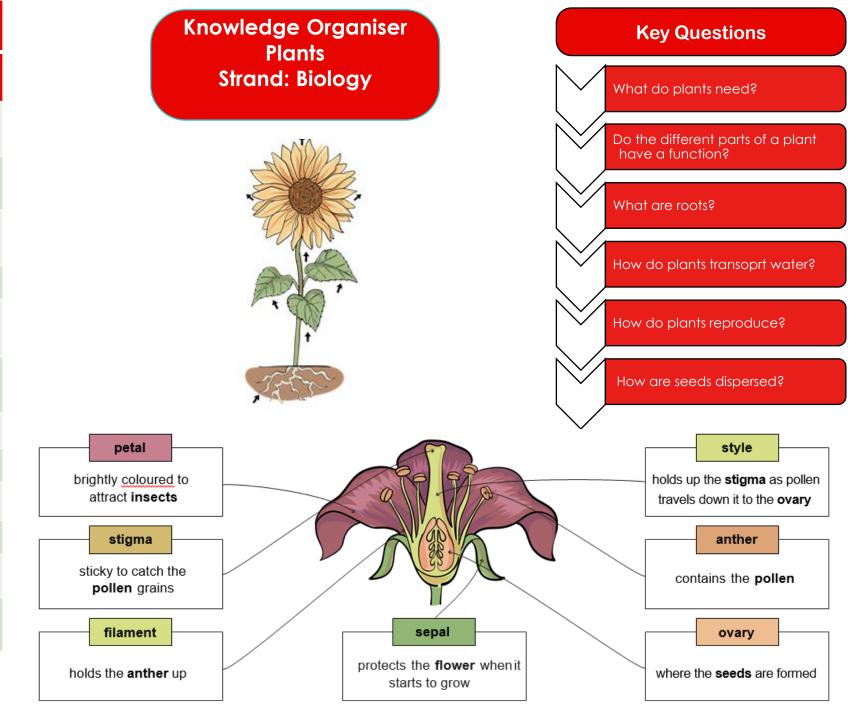
Key Word	Definition	
rock	A solid material that makes up the surface of the Earth.	
soil	A black or dark brown material on the upper layer of the Earth where plants grow.	
fossil	The remains of a prehistoric animal embedded in rock.	
appearance	What something looks like.	
physical properties	A characteristic of an object.	
igneous rock	Rock formed through the cooling and solidification of magma or lava.	
sedimentary rock	Rock formed from sediments that have settled at the bottom of a lake, sea or ocean and have been compressed together over millions of years.	
metamorphic rock	Rock formed from other rocks that are changed because of heat or pressure.	
geologist	A person who studies rocks.	
crust	The outer layer of the Earth.	
mantle	The part of the Earth between the crust ad the core.	
permeable impermeable	Allows liquid t pass through. Does not allow liquid to pass through.	

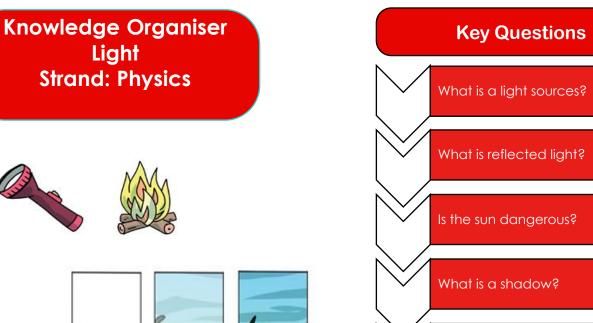


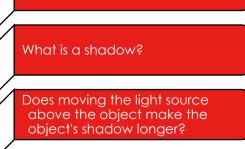


Key Word	Definition
bulb	A fleshy base of a plant that can grow another plant.
seed	A small part of a plant that can grow another plant.
leaf	Part of a plant that is typically flat and hangs off the stem.
stem	The main stalk of a plant.
roots	The part of the plant that attaches into the ground for support and nutrient collection.
flower	The seed bearing part of a plant that is usually surrounded by brightly coloured.
tree	A woody plant.
plant	A living organism.
dispersal	To distribute or spread over a wide area.
formation	To create
pollinatio n	The transfer of pollen to allow fertilisation.
nutrients	Something that provides nourishment to a living thing.

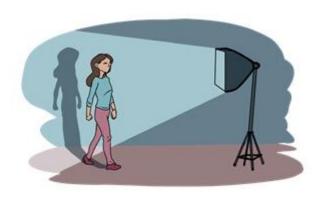


Vocabulary	
Key Word	Definition
luminous	Something that emits light.
dark	The absence of light.
reflect	A surface or body that throws back light without absorbing it.
shadow	An area where direct light from a light source cannot reach due to obstruction by an object.
opaque	Opaque materials do not let any light through them – they obstruct the light.
translucent	Translucent materials let some light through but scatter the light in all directions so they cannot see clearly through them.
transparent	Transparent materials let like through them in straight lines so you can see clearly through them.
luminous	Giving off light, bright or shining.
light	A source of energy that allows you to see.
light ray	An imaginary line that represents the line of light.
Refraction	When light changes direction when going through the boundary of state of matter and another.

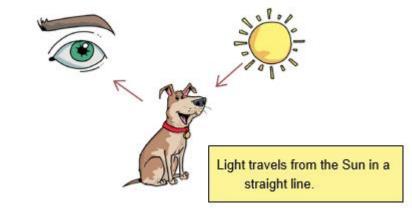




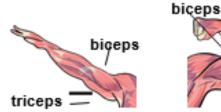
How do mirrors work?



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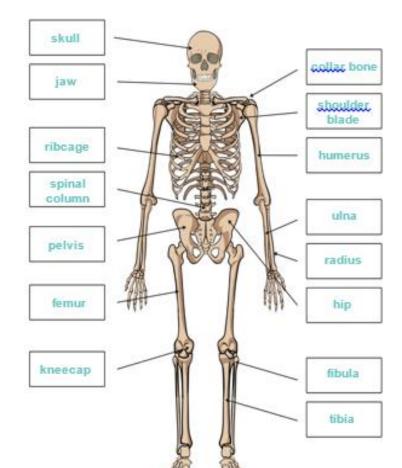
Key Word	Definition
nutrition	Food or nourishment.
diet	The food that an animal eats bones
bones	A solid part of the skeleton.
skeleton	The framework of bones that supports the body of an animal.
muscles	A bundle of tissue in the body of an animal that can contract enabling movement.
exoskeleton	A skeleton on the outside of the body.
contract relax	To squeeze together. To become less tense.
healthy unhealthy	Good for your health. Not good for your health .
vertebrate invertebrate	An animal with a backbone (spine). An animal without a backbone (spine).





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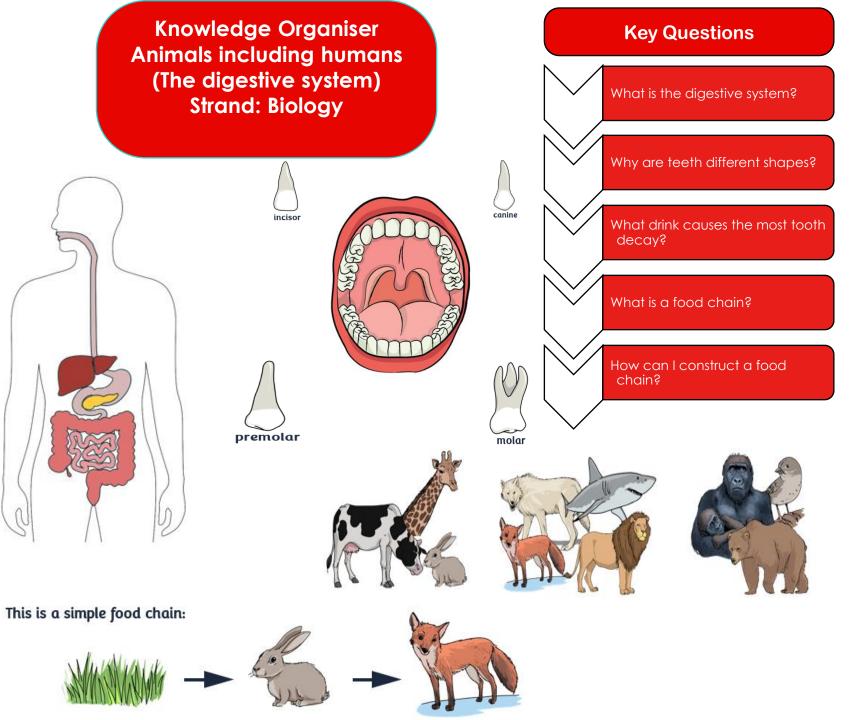
Knowledge Organiser Animals including humans (skeleton, muscles, nutrition) Strand: Biology







Key Word	Definition
canines	Ripping teeth.
carnivores	Animals that only eat other animals.
digestion	The process of breaking down food into simple chemicals for the body to absorb.
herbivores	Animals that only eat plants.
incisors	Cutting teeth.
large intestine	Where water is absorbed into the blood.
molars	Grinding teeth.
oesophagus	Food and water pipe.
omnivores	Animals that eat both plants and animals.
peristalsis	Muscular action to move food along the digestive tubes
predator	An animal that hunts, kills and eats other animals for food
prey	A term used to describe organisms that predators kill for food.
producer	A plant in a food chain
saliva	A lubricating digestive juice produced in the mouth
small intestine	Where food is broken down and nutrients are absorbed into the blood.
stomach	A rounded vessel in the body where acid and digestive juices break down food



Definition
A device or piece of equipment that has been made to perform a specific task.
A small item used to power small appliances.
A route through which electricity flows.
The parts of a circuit.
Allows electricity to flow through it. Doesn't allow electricity to flow through it.
The rate of flow of electricity measured in amps.
Something that uses electricity to work
Electricity provided by power stations.
Can be easily carried around.
A tower used for keeping electrical wires above the ground.
A device for controlling the flow of electricity in a circuit.





cork

iron nail

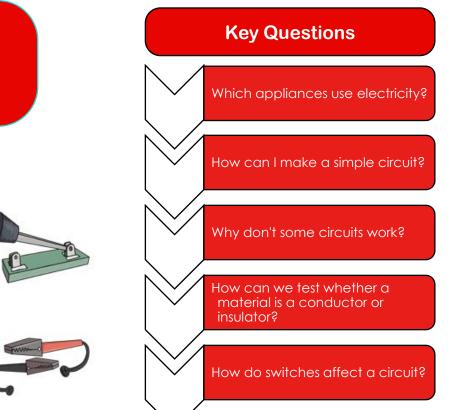
copper rod

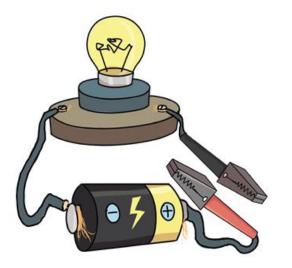


plastic ruler

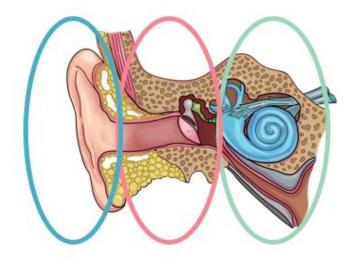
steel spoon

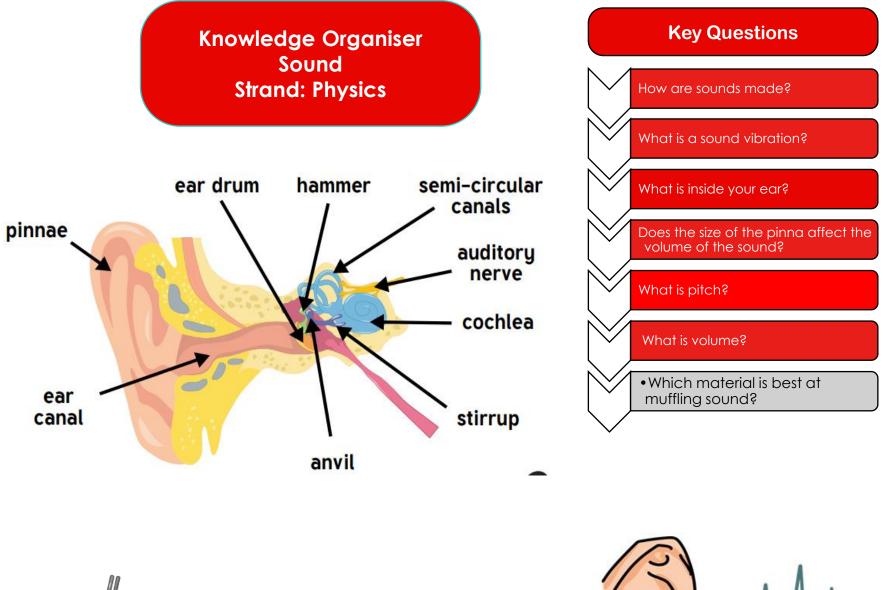
Knowledge Organiser Electricity **Strand: Physics**

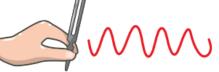




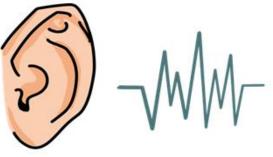
Vocabulary	
Key Word	Definition
vibrate vibrations	Forward and backward movement of an object (usually rapidly).
volume	How loud or quiet a sound is.
pitch	How high or low a sound is.
pinna	The outer portion of the ear (ear flap
cochlea	The sound reception part of the inner ear.
eardrum	The membrane which collects sound from the pinna and passes it to the inner ear



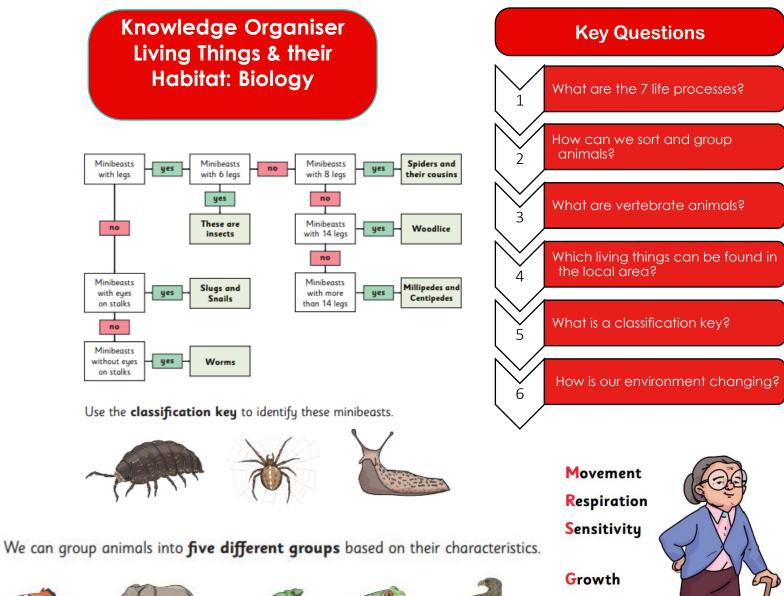








Key Word	Definition
environment	The conditions (both living and non-living) that surround an organism.
classify	To arrange a group of people or things in classes or categories according to shared qualities or characteristics.
vertebrate	An animal which has a backbone.
invertebrate	An animal without a backbone.
exoskeleton	A rigid external covering for the body in some invertebrate animals.
key	A questioning device that allows the progressive narrowing down of the classification of an unknown living thing based on observable or testable features.
adaptation	The way in which an organism is particularly suited to its environment.
pollution	The introduction into the environment of a substance which has harmful effects.





Fish

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Reptile

Amphibian

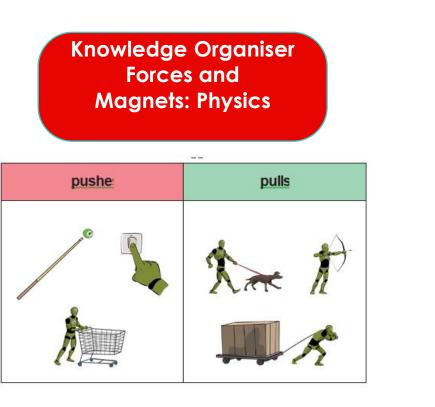
Bird

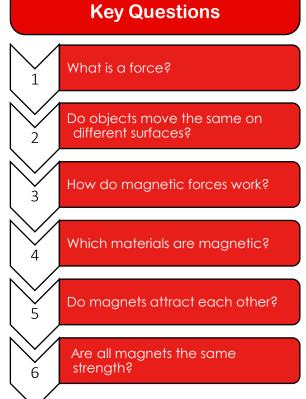
Reproduction

Excretion

Nutrition

Vocabulary		
Key Word	Definition	
force	Push, pull, twist or turn caused when two objects interact with each other	
magnet	An object or device that attracts iron or another magnetic material contact – touching	
contact non-contact	Touching. Not touching.	
attract	Pull towards	
repel	Push away	
magnetic	Attracted to a magnet.	
non-magnetic	Not attracted to a magnet.	
iron	A metal that can be made into a magnet.	





Magnets and their poles



Examples of magnetic objects





