## Year 6, Term I, Staying Alive



## Year 6, Term 2, Classifying Cxitters



mammals

birds


We can use a classification key to show
how we classify something.

## Year 6, Term 3, Let It Shine

## Vocabulary

Key Knowledge on Shadows

| light | A form of energy that travels in a wave from a <br> source. |
| :---: | :---: |
| light source | An object that makes its own light. |
| reflection | Reflection is when light bounces off a surface, <br> changing the direction of a ray of light. |
| A ray of light that hits a surface. |  |

Shadows can be elongated or shortened depending on the angle of the light source. A shadow is also larger when the object is closer to the light source. This is because it blacks more of the light.


A shadow is always the same shape as the object that casts it. This is because when an opaque object is in the path of light travelling from a light source, it will block the light rays that hit it, while the rest of the light can continue travelling.


The spoon in this water looks as if it is bent. This is because light bends when it moves from air to water. When light bends in this way, it is called refraction.


## Year 6, Term 4, We're Evolving



## Year 6, Term 5, Electrifying



What will make a bulb brighter or a buzzer louder?

* More batteries or a higher voltage create more power to flow through the circuit.
* Shortening the wires means the electrons have less resistance to flow through.


## What will make a bulb dimmer or a buzzer quieter?

* Fewer batteries or a lower voltage give less powser to the circuit.
* More bursers or bulbs mean the power is shared by more components.
* Lengthening the wires means the electrons have to travel through

| Vocabulary |  |
| :---: | :---: |
| prehistoric | Before history was recorded (by humans). |
| Mesoroic | Exa of time made up of the Triassic, Jurassic and Cretaceous periods. |
| Triassic | Approsimately 250 to 213 million years ago. |
| Jurassic | Approsimately 213 to 144 million years ago. |
| cretaceous | Approsimately 144 to 65 million years ago. |
| trace fossil | Trace left by animal when it was alive. |
| coprolite | Dinosaur faeces (or). An example of a trace fossil. |
| herbivore | Animals that eat mostly plants. |
| carnivore | Animals that eat mostly other animals. |
| omnivore | Animals that eat a miscture of plants and animals. |
| extinction | When a living thing ceases to exist. Mass extinction: the extinction of a lot of animals in a short period of time. |

## Dinosaurs

Thyreophoxa are dinosaurs that had armoured bodies, such as the
Stegosaurus and Ankylosaurus.


Theropods are characterised by hollow bones and three-toed limbs. Escamples are the Tyrannosaurs-Rex and Velociraptors.

Sauropods grew to enormous sizes and usually had quite long necks. These include the Diplodocus and the Brachiosaurus.

## Luis Alvarez

Luis Alvarez was an American experimental physicist. He was most famous for the discovery of the iridium layer and his theory that the mass extinction of dinosaurs was caused by an asteroid or comet colliding with Earth.


