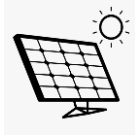


There are lots of different electric circuits **around us** every day.



Electricity is created in power stations and by the force of wind and sun.



DANGER



ELECTRICITY

Electricity can be **dangerous**. It needs to be used carefully.

Electricity is a type of **energy** which powers different **appliances** just like food is energy which powers our bodies. Electric current can be used to create, **light**, **heat** or **movement**.

Bright Sparks Knowledge Organiser

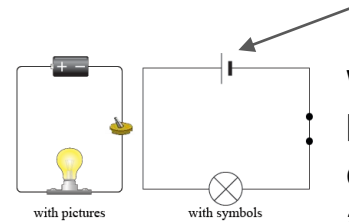
Conductive, when materials allow electricity to flow through them easily.

An example would be metal wires in a circuit.



An **electric circuit** is an unbroken pathway of wires for electrons to flow around.

A circuit can be broken deliberately by using a **switch**.



When a circuit is **broken**, electric current can not flow around it. It will then stop working.

Magnetism is an electric charge, which results in **attractive** and **repulsive** forces between objects.

Static electricity does not flow in a current but can affect our life.

Insulation, a material that does not let electricity pass through it. Like the plastic around wires.

