

4F CIRCUITS AND CONDUCTORS

Glossary

appliance – a household device that uses electricity – can be either mains or battery powered

battery – the power source in a circuit made up of two or more cells

break – an interruption in the flow of electricity

bulb – an electrical component which lights up in a circuit

circuit – a circuit is formed when electricity flows through the electrical components

electrical conductor – a material that allows electricity to flow through it e.g. metals

electrical insulator – a material which does not allow electricity to flow through it e.g. wood

leads – the wires used to join electrical components

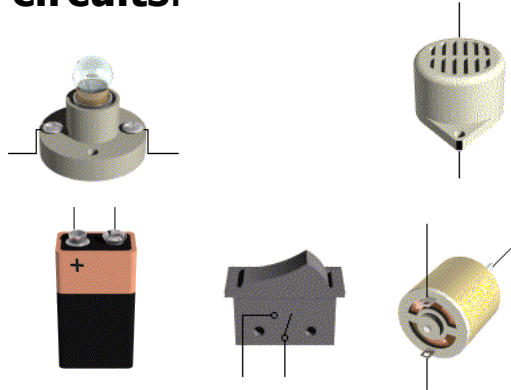
mains electricity – electricity supplied for use in homes and businesses

motor – an electrical component which rotates causing something to turn

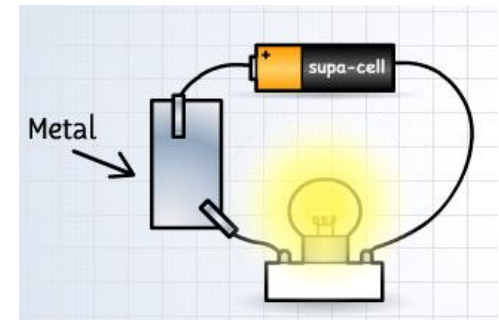
switch – a device that causes a break in the flow of electricity

terminals – the parts of the battery that need to be connected in the circuit

Can you name these **electrical components**? They are used to build **circuits**.

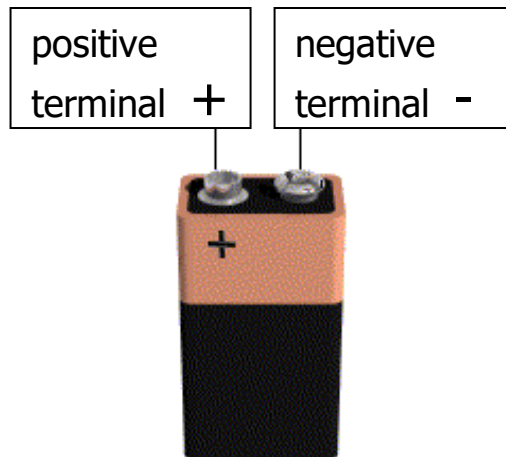


Appliances are powered by **mains electricity** or **batteries**.

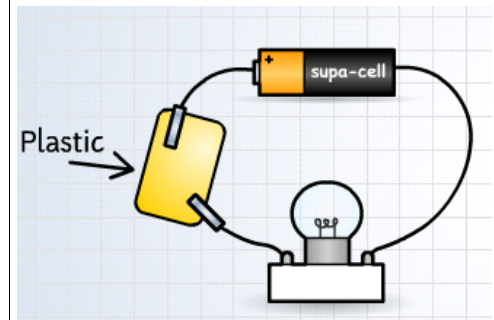
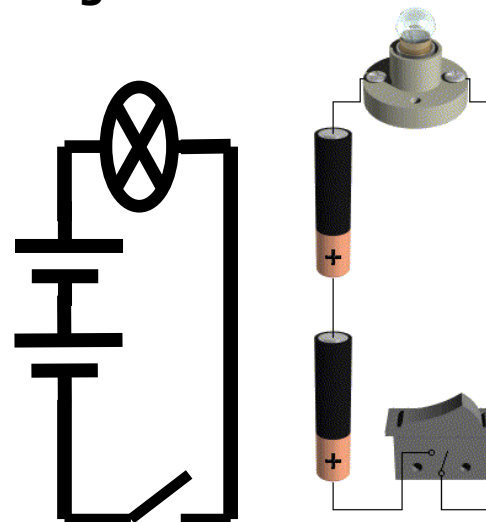


Metal is a good **electrical conductor**. It allows electricity to flow through it.

This **battery** is the power source in a **circuit**.



Electrical **circuits** can be represented as **circuit diagrams**.



Plastic does **not conduct** electricity. We use plastic as an **electrical insulator**. Can you think of other materials that are electrical **insulators** or **conductors**?

4F CIRCUITS AND CONDUCTORS