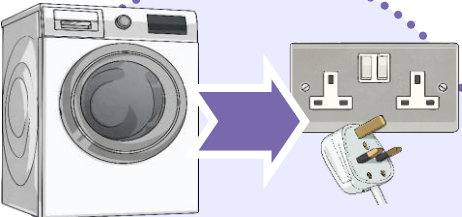


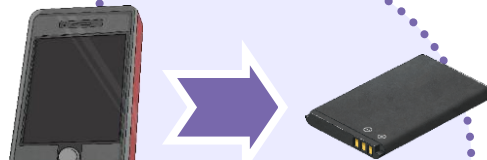
Appliances

Mains-Powered



Items that run on **mains electricity** are plugged into a socket.


Battery-Powered





To make **battery-powered** items run, you need to insert a **battery** into them.


Insulators and Conductors

Insulators



Wood



Fabric



Glass



Plastic

Conductors



Gold


Copper



Aluminium


Silver

Complete Circuit




Incomplete Circuit



Switches

Switches can be used to open and close a circuit. When 'off', the circuits breaks and electricity does not flow. When 'on', the circuit is complete and electricity can flow.



Key Vocabulary		
	Word	Definition
1.	Electricity	The flow of electrical current through a material, e.g. from a power source, through wires to an appliance.
2.	Appliances	A piece of equipment or a device designed to perform a particular job.
3.	Battery	A device that stores electrical energy as a chemical. Two or more cells together form a battery.
4.	Circuit	A pathway that electricity can flow around. It is based around wires and a power supply.
5.	Mains electricity	Electricity supplied through wires to a building.
6.	Electrical conductor	A material that allows electricity to flow through it.
7.	Electrical insulator	Materials that do not allow electricity to flow through them.