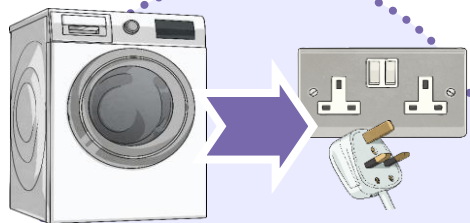


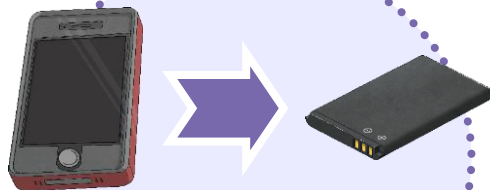
### Appliances

#### 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

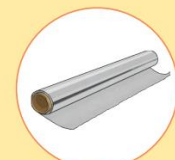
#### Conductors



Gold



Copper



Aluminium



Silver

### Complete Circuit



### Incomplete Circuit



#### Switches

Switches can be used to open and close a circuit. When 'off', the circuit 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.