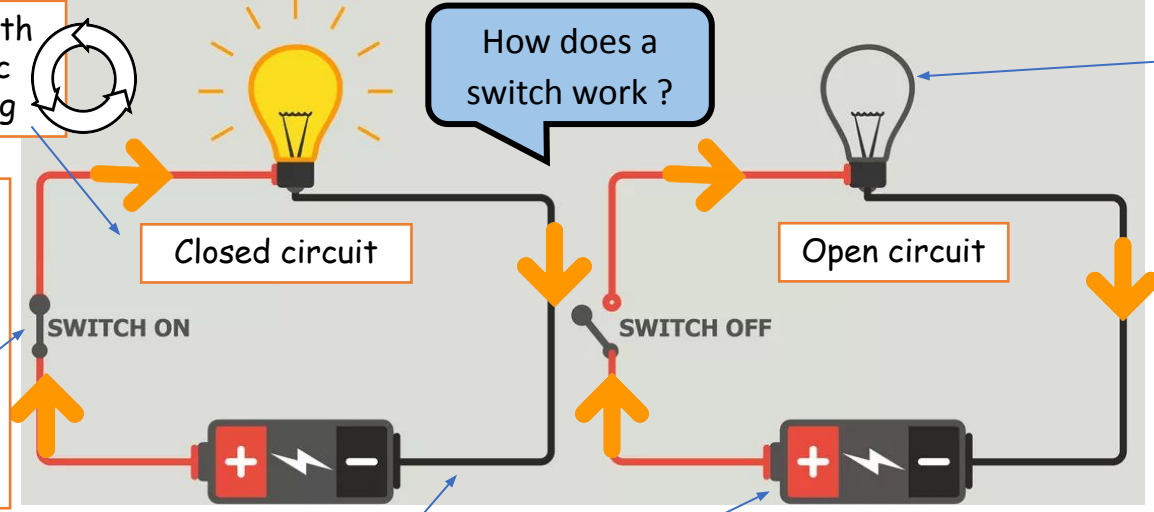


What I might already know: Different materials have different properties.

Circuit The closed path (loop) that an electric current can flow along

Switch Controls the flow of electrical current around the circuit by opening and closing the circuit turning components on or off.



Bulb (lamp) A component that turns electrical energy into light.

Buzzer - a component that turns electrical energy into sound

Motor - a component that turns electrical energy into motion

Danger! Mains electricity can be very dangerous.



Voltage The force of an electric current, measured in **volts**, a unit used for measuring electric current

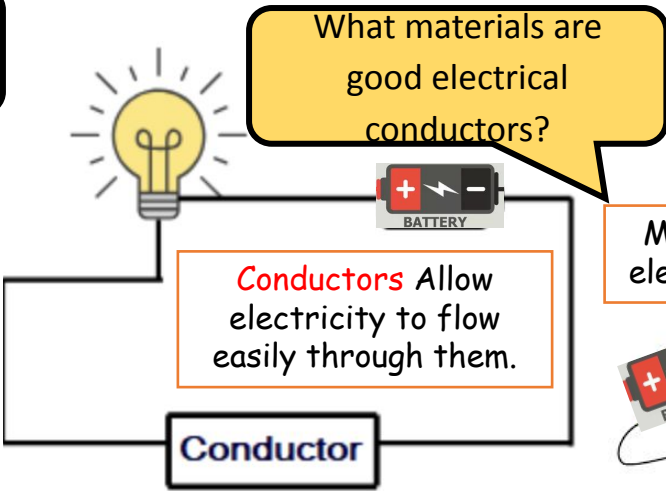
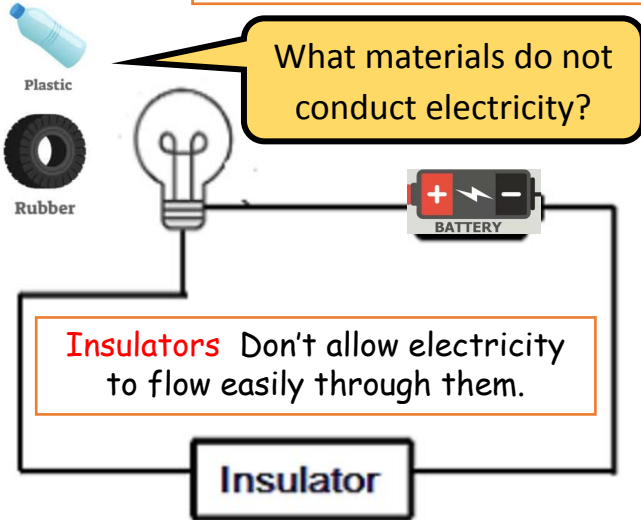
Is the appliance battery powered or mains powered?

Wire - a thin rod or thread of metal which allows electricity to pass along it (conductor).

Cells which make up batteries are electricity sources that push electricity around a circuit.

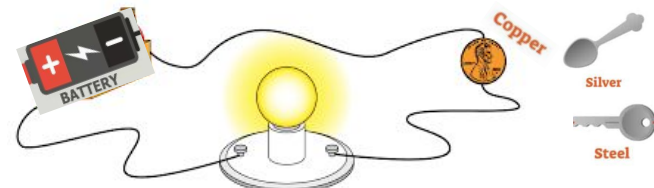
What appliances run on electricity?

Battery power (cells)
Batteries are stores of chemical energy which transfers into electrical energy. Mobile phones, tablets and torches use batteries.



Electrical appliance
A device powered by electricity used for a particular purpose

Metals are good conductors and allow electricity to flow easily through them.



Main Electricity power
Electricity supplied to a building from the national grid through wires. Devices powered by mains electricity have a plug such as: kettles, lamps, computers and televisions.

