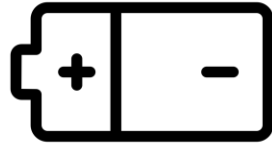


Year 4 Physics: Electricity

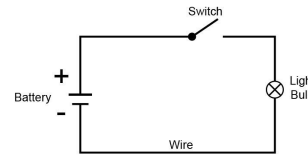
cell

This is a small container that stores chemicals which create electricity. Two or more cells is called a **battery**.



complete circuit

This is a circuit without any breaks. It will have a power source (cell or battery), wires for the electricity to flow and an electrical device.



component

This is an individual part of an electrical circuit, such as a cell, wire, bulb, motor or switch.



cell



wire



bulb



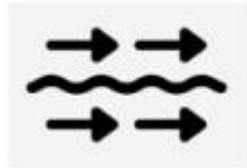
buzzer



switch

conductors

These are materials that allow electric currents to pass through easily.



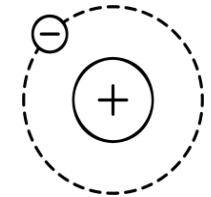
device/appliance

This is something that is powered by electricity, either from the mains (plug-in) or a battery.



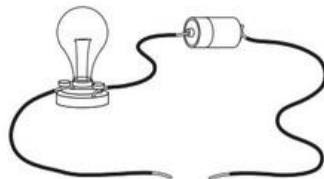
electrons

These are tiny particles which carry the electrical charge around a circuit.



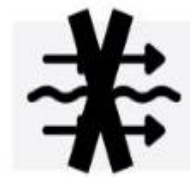
incomplete circuit

This is an electrical pathway that is broken. The break might be caused by an open switch or a wire that is not connected.



insulators

These are materials that do not allow electric currents to pass through (they resist the flow of electric current).



resistance

This is how difficult it is for an electric current to flow.

