Prior Learning





Common appliances that run on electricity







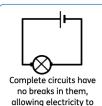


Common conductors

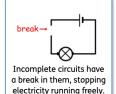
Common insulators







run freely.





Turning up the volume. Higher voltage = louder sound.

Basic parts of a circuit











Vocabulary











































crocodile

clips

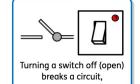




Electricity



More components, or lower voltage = bulbs dimmer, motors slower and buzzers auieter.





causing electrical flow to stop and components to stop working.



More cells, or a higher

voltage cell = bulbs

brighter, motors faster

and buzzers louder.

Electrons are the particles that carry the charge through the wires.



Resistance is when the electrons can't move easily through a circuit. A conductor has little resistance.



Voltage is a force that pushes the electrons and so makes electricity flow through a wire (it is measured in volts).



Current is the flow of electrical charge around a circuit (this is measured in amps).



Conductor - a material that will allow electrons to flow through easily. Most metals are electrical good conductors.



Insulator - a material that won't let electrons flow through. An example would be rubber.























