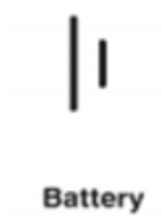
Y6 science knowledge organiser: electricity



Battery

A battery (collection of cells)/cell (single unit) is a device that stores energy as a chemical until it is needed.

Wire

A wire is used to join the components of a circuit together.

Bulb

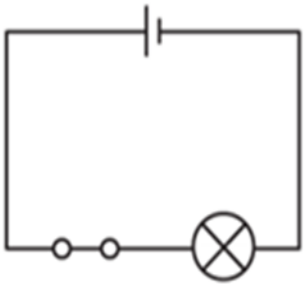
A bulb is used to light a circuit. This can be replaced by a motor or a buzzer, or you can connect include these as well.

Switch (on)

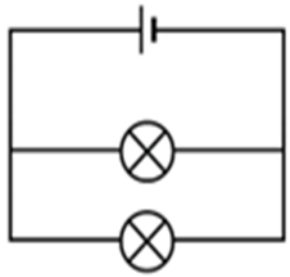
Switch (off)

A switch is used to stop the current travelling around the circuit. This means the electricity does not light the bulb, sound the buzzer or run the motor.

SERIES **CIRCUIT DIAGRAM**

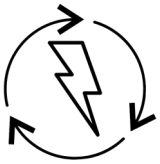


PARALLEL CIRCUIT DIAGRAM



Buzzer

Motor



The current in a circuit is the flow of electrons which is measured in amps.

Alternating current is the when the flow of electric charge sometimes reverses direction.