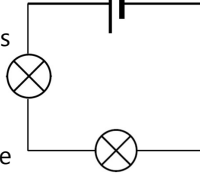


Knowledge Organiser Y5 Electricity

Series circuits

A circuit that has only one route for the current to take. If more bulbs or buzzers are added, the power has to be shared and so they will be dimmer or quieter.



Vocabulary:

Circuit	A path that an electrical current can flow around.	Electrons	Very small particles that travel around an electrical circuit.
Symbol	A visual picture that stands for something else.	Resistance	The difficulty that the electric current has when flowing around a circuit.
Cell/Battery	A device that stores chemical energy until it is needed. A cell is a single unit. A battery is a collection of cells.	Voltage	The force that makes the electric current move through the wires. The greater the voltage, the more current will flow.
Current	The flow of electrons, measured in amps.	Amps	How electric current is measured.

Electrical Safety

Never put fingers or other objects in an outlet.
When you aren't using an electrical appliance, turn it off at the plug.
Keep metal objects out of toasters.
Never use anything electrical around water.
Never pull a plug out by its cord.
Always keep drinks away from electrical items.



Components of a circuit and their symbols

