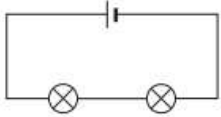


Science – Electricity – Knowledge Organiser



Key vocabulary

- **series circuit** – a circuit where all the components are connected in one single loop



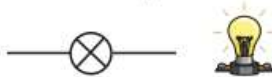
- **cell** – a portable store of energy



- **battery** – two or more cells joined together to store more energy



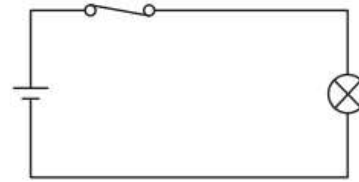
- **bulb** – a component that produces light



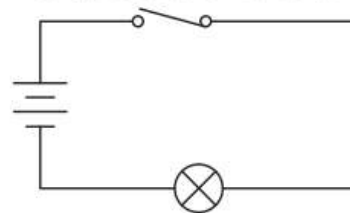
- **current** – the flow of electricity in a circuit



- **complete circuit** – a circuit that does not have a break in it



- **incomplete circuit** – a circuit that has a break in it



- **switch** – a component that allows a current in a circuit to be turned on and off



- **buzzer** – a component that makes a buzzing or beeping sound



Factual knowledge

- A series circuit is one in which all the components are connected in one continuous loop.
- A series circuit has a cell and wires, plus components such as a bulb, a buzzer and a switch.
- Each component in a circuit diagram is represented by a circuit symbol.
- Current is the flow of electricity in a circuit.
- Voltage causes the current to flow.

Factual knowledge

- The more components there are in a circuit, the dimmer the bulbs and the quieter the buzzers.
- The more components there are in a circuit, the more difficult it is for current to flow.