



**Agape
 Courage
 Thankfulness**

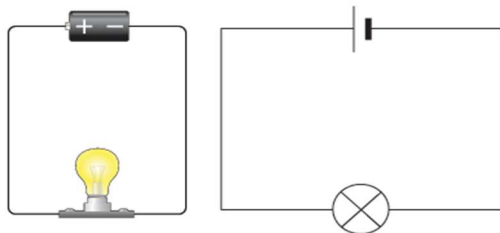
What I have learnt already

Year 4	Identifying appliances that run on electricity.
Year 4	Conducting a simple series circuit.
Year 4	Investigating lamps, switches, conductors and insulators in circuits.

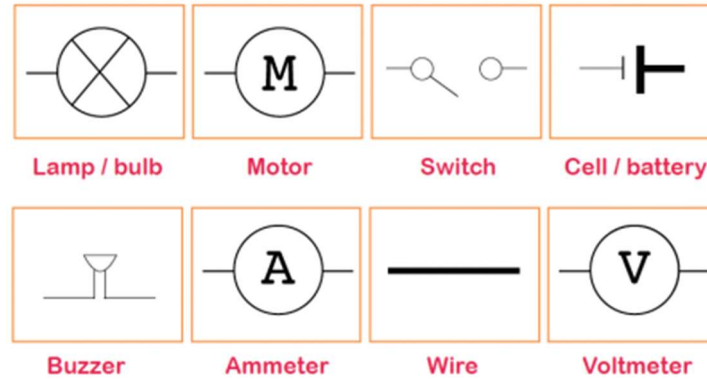
Facts I need to learn now

- 1 We use scientific symbols to represent the components (parts) of a circuit.
- 2 The brightness of a bulb or the loudness of a buzzer is affected by the number of cells in a circuit.
- 3 The brightness of a bulb or the loudness of a buzzer is affected by the voltage of cells in a circuit.
- 4 The number of components in a circuit can affect how they function.
- 5 The arrangement of components in a circuit can affect how they function.
- 6 The length of wires in a circuit can affect how the components function

A series circuit represented using circuit symbols:



Circuit Symbols



Vocabulary (Words I need to know)

 Circuit	A complete route of connected components that a current can travel around.	 Current	The flow of electricity through a wire.
 Component	Parts making up a circuit, like lamps, wires, cells, etc.	 Voltage	An electric force that makes electricity travel around a circuit, measured in volts (V).
 Battery	A container containing cells used as a power source.	 Conductor	A material that allows an electric current to pass through.
 Cell	A device used to generate electricity.	 Insulator	A material that stops an electric current from passing through.

What I will learn next

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| 1 | KS3 Electricity | Electric currents, potential difference and resistance. |
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