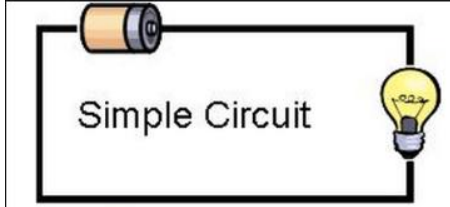


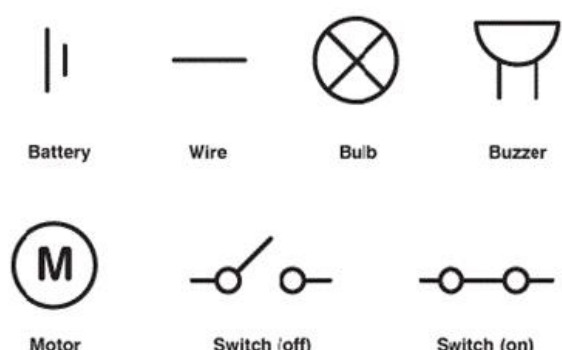
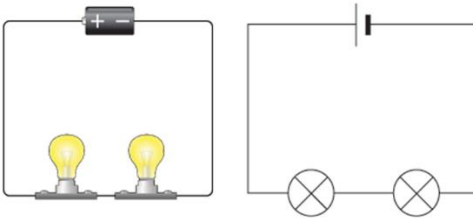
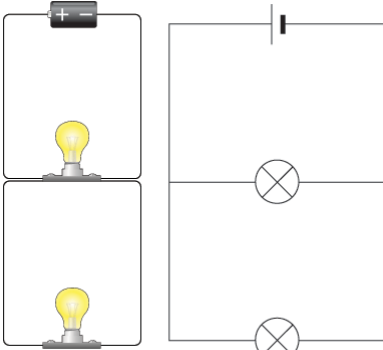


# Year 6 Knowledge organiser: Electricity

| Key information   |  | Key vocabulary  |  |
|---|--|---|--|
| <p><u>What is a simple circuit?</u></p>  <p>A simple circuit consists of a cell, 2 wires and an electrical component.</p>  <p>Additional components can be added to circuits to fulfil your requirements.</p>  <p>Motor                  Buzzer                  Switch</p> <p><u>How are components represented in circuit diagrams?</u></p>  <p>Battery                  Wire                  Bulb                  Buzzer</p> <p>Motor                  Switch (off)                  Switch (on)</p> |  | <p><u>Different types of circuits</u></p> <p><u>Series circuits</u></p> <p>In a series circuit several components appear one after the other. If you follow the circuit diagram from one side of the cell to the other, you should pass through all the different components, one after the other, without any branches.</p>  <p><u>Parallel circuits</u></p> <p>In parallel circuits different components are connected on different branches of the wire. If you follow the circuit diagram from one side of the cell to the other, you can only pass through all the different components if you follow all the branches.</p>  |  |
|   |  | <b>Electricity</b>  | A form of energy/source of power.  |
|   |  | <b>Circuit</b>  | A path through which an electrical current flows.  |
|   |  | <b>Electrical Component</b>   | A device that can be connected with others to fulfil the requirements of a circuit.            |
|   |  | <b>Bulb</b>   | A component which gives off light when electricity passes through it in a circuit.             |
|   |  | <b>Wires</b>  | Link together different components in a circuit.   |
|   |  | <b>Cell</b>   | A safe power source. A store of chemical energy that can power a circuit.                      |
|   |  | <b>Motor</b>  | A component which moves (spins) when electricity passes through it in a circuit.               |
|   |  | <b>Buzzer</b>   | A component which makes a sound when electricity passes through it in a circuit.               |
|   |  | <b>Switch</b>   | A component which can easily be opened or closed to control the flow of electric in a circuit. |
|   |  | <b>Variation</b>  | A change or slight difference.   |

## Year 6 Knowledge organiser: Electricity

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