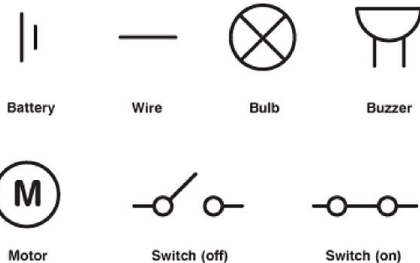


Year 6: Electricity

Key Learning

Symbols for different components in a circuit:



By changing the components in a circuit we can vary:

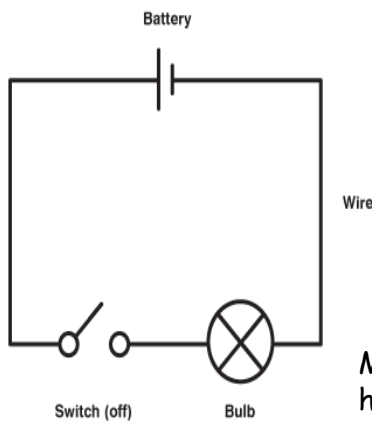


The brightness of a bulb (brighter or dimmer)



The volume of a buzzer (louder or quieter)

If a switch is open, the circuit is not complete. When a circuit is not complete, components such



More batteries or a higher voltage create more power to

- If you make the wires longer, the bulb will get dimmer. This is because there is more resistance.
- If you add more bulbs, the bulbs get dimmer. This is because there is also more resistance.
- If you add more batteries, the bulbs will get brighter. This is because there is less resistance and a greater current.



The hazard symbol warns of high voltage. You should not touch anything with this symbol on.

Sticky Vocabulary

circuit	A pathway that electricity can flow around.
circuit diagram	A drawing or picture that shows the parts and pathway of the circuit.
cell	A device for producing electric current using chemicals.
battery	A device that stores electrical energy as a chemical.
bulb	The glass part of an electric light, with a wire inside that glows when you switch it on.
buzzer	A component that makes a buzzing noise.
motor	A machine that provides power.
switch	A device that you press or turn to start or stop something working.
voltage	An electric force measured in volts.