

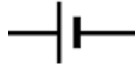
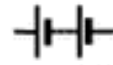



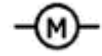

Knowledge Organiser Science Year 6

Electricity

Key Vocabulary

circuit	A complete path that an electric current can flow around. It flows from the battery, through wires and devices before returning to the battery. If the circuit is not complete the electric current cannot flow.
circuit symbol	A symbol used to represent various electronic components or functions in a diagram of a circuit.
circuit diagram	A visual representation of an electrical circuit using symbols to represent the electrical components.
cell	A single electrical energy source.
battery	A device consisting of one or more cells.
switch	An electrical component that can make or break an electrical circuit. When a switch is open (off), there is a gap in the circuit and electricity cannot flow around the circuit.
voltage	Voltage measures the energy that is transferred to a device in a circuit. It is measured in Volts. Mains electricity carries a voltage of 210-240 volts. A typical cell in school has 1.5 volts.

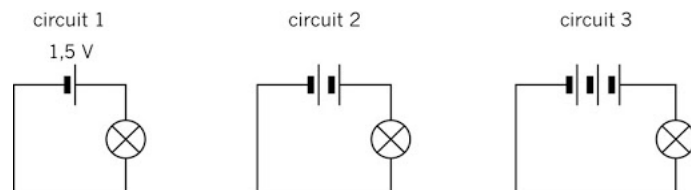
Circuit Symbols

cell	
battery	
wire	
bulb	
buzzer	
motor	
switch	 <div style="display: flex; justify-content: space-around; width: 100%;"> Open switch Closed switch </div>

Cells and Voltage

Adding more cells in a circuit will make the bulbs brighter

The bulb in circuit 2 will be brighter than in circuit 1 and in circuit 3 brighter than in 1 and 2



Adding bulbs to a circuit will make each bulb dimmer

