

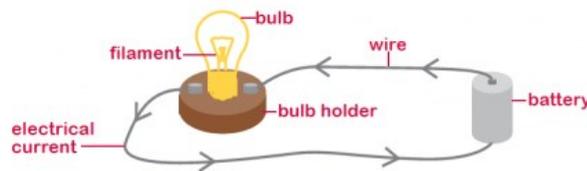
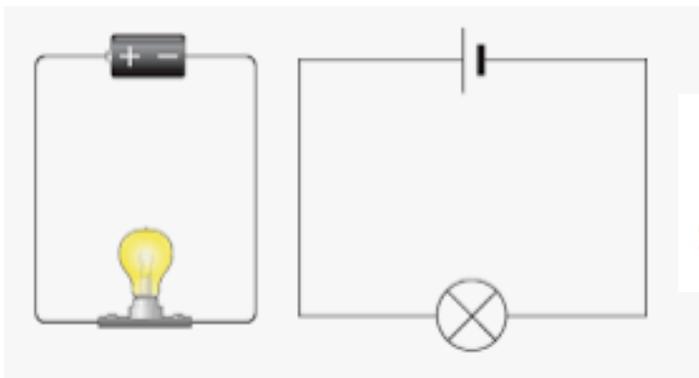
Electricity

Year 6



Key questions

- How does the brightness of a lamp change when the voltage changes? Why?
- Can we compare and give reasons for variations in how components function?
- What symbols are used to represent a circuit?



Key Vocabulary	
circuit	a closed loop for electricity to travel around
component	a part used in an electrical circuit
electricity	a form of energy caused by electrons moving
cell (battery)	a stored source of energy
switch	a switch turns an electrical circuit on or off by completing or breaking the circuit
conductor	an object which allows electricity to flow through it easily
insulator	an object which does not allow electricity to flow through it easily
symbol	see diagram
voltage	a force that makes electricity flow through a wire (measured in volts)
motor	a machine that turns electrical energy into movement

Prior learning

In year 4 you constructed simple circuits, learning the names and functions of simple components. In year 6 you will contrast your own circuits, investigating a range of variables and drawing the accompanying diagram using the appropriate symbols.



Lamp / bulb	Motor	Switch	Cell / battery
Buzzer	Ammeter	Wire	Voltmeter