

Year: 6

Term: Autumn 2

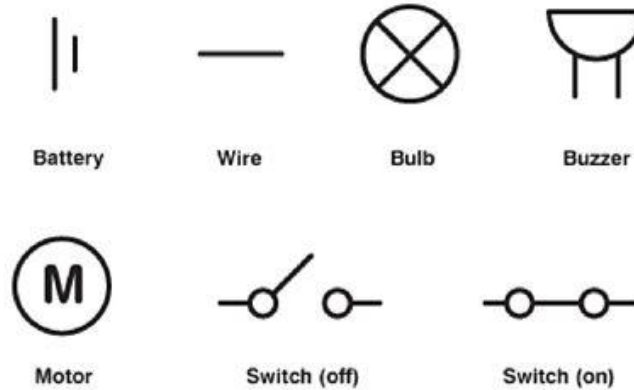
Topic: Electricity

Important Facts:

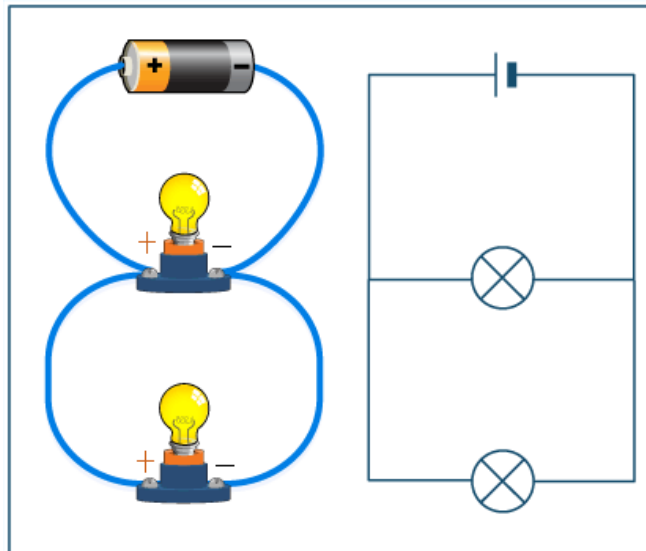
- Adding more cells to a complete circuit will make a bulb brighter, a motor spin faster or a buzzer make a louder sound.
- Adding more bulbs to a circuit will make each bulb less bright
- Using more motors or buzzers, each motor will spin more slowly and each buzzer will be quieter.
- Turning a switch off (open) breaks a circuit so the circuit is not complete and electricity cannot flow.
- You can use recognised circuit symbols to draw simple circuit diagrams.

Key concepts / diagrams:

Circuit symbols:



Example circuit:



Vocabulary:

circuit	a complete path that electricity can flow around
component	a part of a circuit
cell	a single battery that provides electricity
circuit diagram	a drawing that shows a circuit using symbols instead of pictures of real components
circuit symbol	a simple picture used in a circuit diagram to represent a component
voltage	the 'push' that makes electricity flow in a circuit
resistance	something that slows down the flow of electricity in a circuit
renewable energy	energy that comes from sources that won't run out
energy efficiency	how well energy is used without being wasted

Working Scientifically:



comparative and fair test

- Describe how you will gather data to answer a scientific enquiry question.