

Year 4: DT
Autumn Term

Design
Make
Evaluate

Doodlers

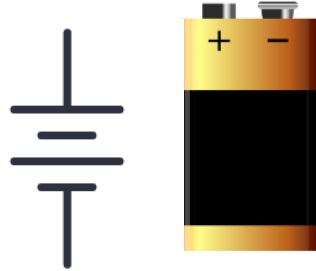
Key concepts:



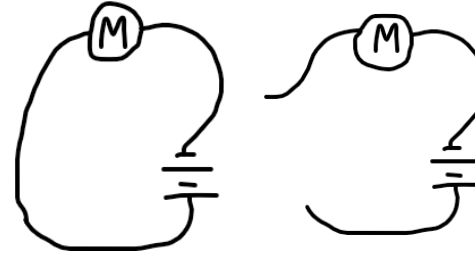
Key Vocabulary

Circuit	A collection of components that make an electrical system
Current	The flow of electricity
Circuit component	One of several parts that complete the circuit (e.g. motor)

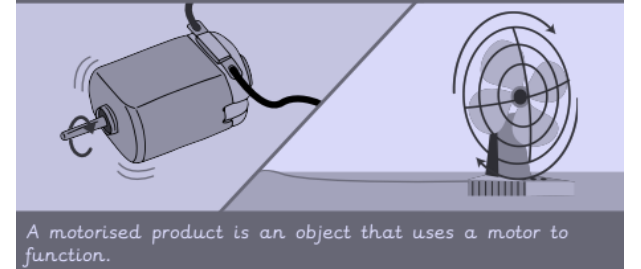
Battery



The circuit must be closed for it to work. If there is a break in the circuit, it is not complete, and will not work.

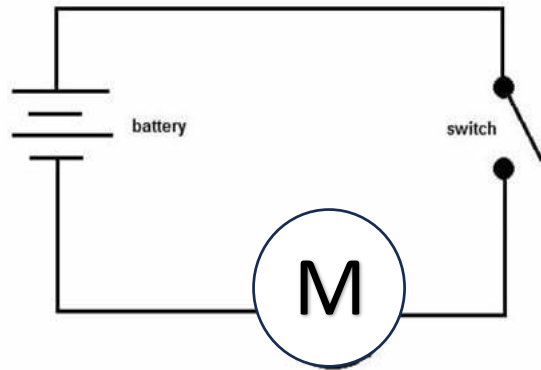


An electric motor converts electrical energy into rotational movement, causing the motor's axle to spin. Motors use electricity instead of human force to move the axle.



What is a component?

A component is a device in an electric circuit, such as a battery, switch or lamp which allows electricity to pass through it. Each component makes something happen using electricity.



Read more:
Research more:

Motor



Switch



Wire



Electrical circuits

They allow a product to have light, sound or movement. However, for these components to work, they need to be in an electric circuit. An electrical circuit is a loop through which an electric current can flow.

It consists of:

- A power source - such as a battery or generator
- Wires - which allow electric current to flow through them
- Components - devices such as switches, bulbs or motors.

