

Vocabulary and definitions

circuit	The path or line through which an electrical current flows
cell	Power source of a circuit (usually a battery)
switch	A small gap in the conductor where you can close or open the circuit
conductor	Allows electricity to flow through it. Metals conduct electricity.
insulator	Something that does not conduct electricity. Plastic and wood do not conduct electricity.
voltage	Makes electric charges move
electron	A negatively charged particle
electrical current	The flow of charged particles
Component	A part or element of an electrical circuit

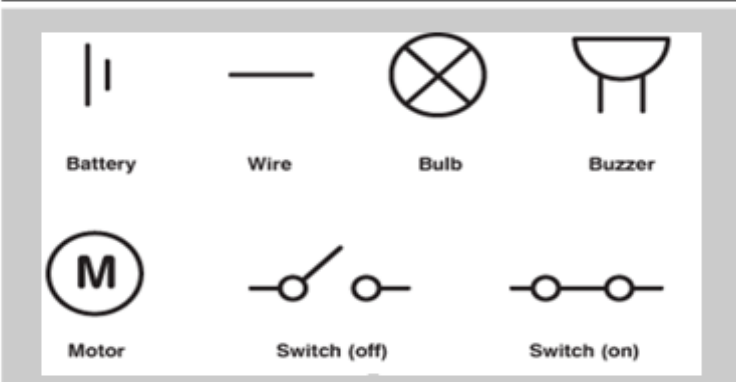
Components

Battery (cell)	Creates a flow of electrons around the circuit to allow other components to function
lightbulb	Contains filaments that release light when electricity passes through it
buzzer	Creates a sound when electricity passes through it
motor	Converts electricity into movement
wire	Has a metal core and plastic coating. The metal core conducts electricity.

Contributions to our knowledge of electricity

Benjamin Franklin	Michael Faraday
<ul style="list-style-type: none"> -Observed that lightning had a natural electrical current -Invented the lightning rod - Developed terms such as conductor and battery 	<ul style="list-style-type: none"> -Discovered that we can use magnets to make electricity -Invented the Faraday generator, that is used in gas stations, power stations and wind turbines -Invented the Faraday cage

Circuit diagram symbols



Circuit diagram example

