

# Y5/6 Science Knowledge Organiser: Electricity

## IMPORTANT WORDS

Learn these words and their definitions

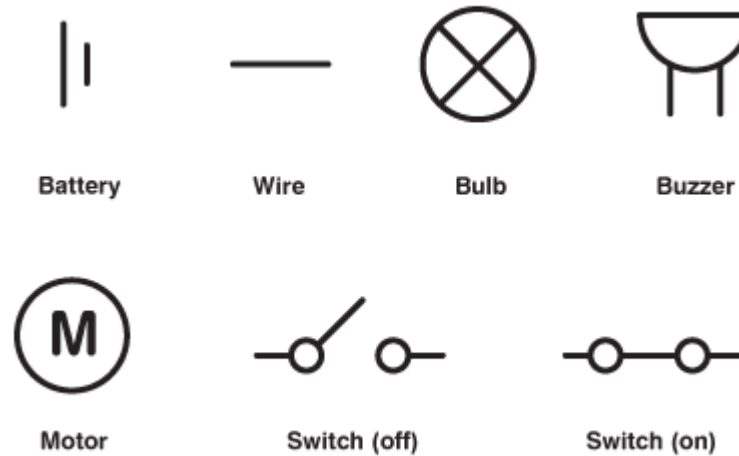
Key Word	Definition
static electricity	Electricity that collects on the surface of an object, which can cause an electric shock.
filament	A thin piece of wire with a high melting point, used in bulbs.
voltage	An electric force which 'pushes' the electric current round the circuit.
insulator	A material which doesn't conduct electricity.
conductor	A material that electricity can flow through easily.
fuse	A safety device on a circuit that can stop current from flowing if it becomes overheated.
component	An individual part in an electronic circuit.
variable resistor	A device which varies the amount of electric current allowed to flow through a circuit.

## Electricity

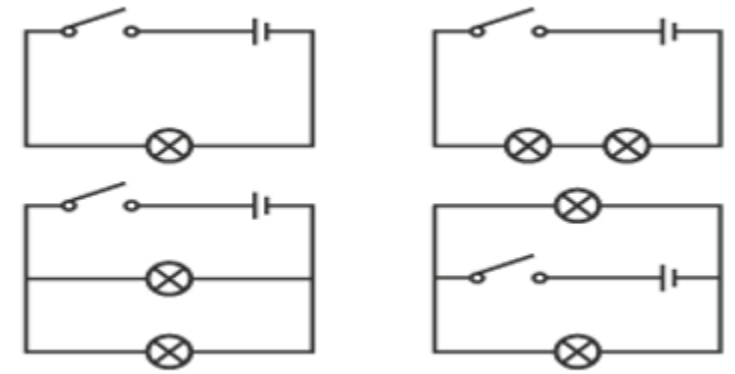
This unit will help you explore different types of electricity as well as understanding what makes up a circuit. You will learn about this by studying circuit diagrams and by building your own circuits. You will also think about what materials conduct and which insulate, so you know about safety with electricity. It will also help you learn about the importance of saving energy.

Understanding electricity is important for many careers which involve circuitry and installation of electrical devices. It is also helpful for being able to do quick jobs safely and with knowledge.

## Electrical Symbols



## Circuit Diagrams



## An Electrical Circuit

