



Key Vocabulary

ammeter	Measures the current in a circuit .
battery	Small devices that provide the power for electrical items such as torches.
bulb	The glass part of an electric lamp, which gives out light when electricity passes through it.
buzzer	An electrical device that is used to make a buzzing sound.
cell	A synonym for battery.
circuit	A complete route which an electric current can flow around.
component	The parts that something is made of.
conductor	A substance that heat or electricity can pass through or along.
current	A flow of electricity through a wire or circuit .
electricity	A form of energy that can be carried by wires and is used for heating and lighting, and to provide power for devices.
switch	A small control for an electrical device which you use to turn the device on or off.
voltage	The force of an electric current as measured in volts.
wires	A long thin piece of metal that is used to fasten things or to carry electric current .

Famous Scientist

An English inventor, named Tildesley, created the first known door alarm. He came up with the idea of mechanically linking a set of chimes to a door lock. If a burglar tried to break the lock or force the door open, the chimes would go off, alerting the occupants.

Circuit Symbols

Symbol	Component
	ammeter
	battery
	bulb
	buzzer
	cell
	motor
	resistor
	switch (open)
	switch (closed)

Key Knowledge

There are different symbols for **circuit** components.

The brightness of a bulb is linked to the amount of **voltage** in a **circuit**. The more volts in a **circuit**, the brighter a **bulb** will be.

A **conductor** is a material that lets **electricity** pass through it easily.

Examples of good **conductors** are copper, brass and steel.

Diagrams

