



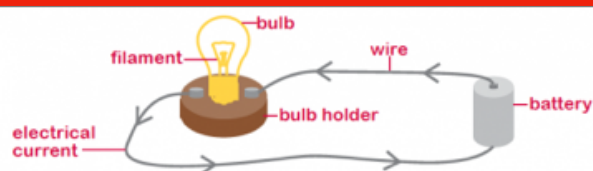
## Year 6 - Electricity

## Physics

### Key vocabulary

battery	A container consisting of one or more cells where chemical energy is converted into electricity and used as a source of power.
bulb	A glass bulb which provides light by passing an electrical current through a filament.
buzzer	An electrical device that makes a buzzing sound and can be used for signalling.
cell	A device containing electrodes that is used for generating current.
circuit	A complete and closed path around which a circulating electric current can flow.
conductor	A material or device which allows heat or electricity to carry through.
current	A flow of electricity which results from the movement of electrically charged particles.
electricity	A form of energy resulting from the existence of charged particles.
filament	A conducting wire or thread with a high melting point that forms part of an electric bulb.
motor	A machine powered by electricity that supplies motive power for a vehicle or other moveable device.
switch	A device for making and breaking the connection in an electric circuit.
voltage	An electrical force that makes electricity move through a wire. It is measured in volts.

### A Complete Circuit



### History of Electricity

Benjamin Franklin	in the 1700s, when he flew a kite in a thunderstorm he felt a spark of electricity, proving that lightning produced electricity.
Luigi Galvani	Discovered that frog legs twitch when struck by a spark of electricity, leading him to believe that electric was present in living things.
Alessandro Volta	Invented the first battery. It provided a steady source of electricity.
Nikola Tesla	In the 1800s, he developed ways to carry electricity over long distances, allowing cities to be powered.
Thomas Edison	Invented the light bulb, making it possible to use electricity to light homes instead of candles.

### Circuit symbols

Cell		Three-way switch	
Battery (2 or more cells)		Push switch	
Lamp		Resistor	
Buzzer		Variable resistor	
Motor		Wires	
Open switch		Where wires join	
Closed switch		Where wires cross	

