



Electricity is the flow of an electrical power or charge from sources of energy like coal or oil.

Electricity helps us use daily items around the house.

Electricity was not always something that humans used the way we do today.

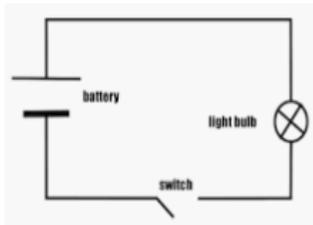
Electricity was discovered by Benjamin Franklin.

Thomas Edison was the first recorded inventor to produce a long-lasting electric light bulb, in 1879.

A torch is a portable light that is powered by a battery.

A torch needs an electrical circuit to work.

An electrical circuit needs: a bulb, wire, battery and switch.



Some materials **conduct** electricity. Some materials are **insulators**.

Technical Vocabulary

Battery: container in which chemical energy is converted into electricity and used as a source of power.

Bulb: a glass bulb inserted into a lamp or a socket in a ceiling, providing light by passing an electric current through a filament.

Casing: a cover or shell that protects or encloses something.

Circuit: a roughly circular line, route, or movement that starts and finishes at the same place.

Component: a part or element of an item, machine or vehicle.

Conductor: a material or device that allows electricity or heat to flow through it or transmits heat or electricity.

Insulator: a material that prevents the flow of electricity and is safe to touch

Lens: a piece of glass or other transparent material with curved sides for concentrating or dispersing light rays,

Non-conductor: material that does not allow electricity to flow through it.

Reflector: glass or metal for reflecting light

Torch: a portable battery-powered electric lamp.

Switch: a device for making and breaking the connection in an electric circuit.

Wire: metal drawn out into the form of a thin flexible thread or rod.

