

## Batteries

These are the power source for your flashlight.



## Natural Lighting

Lighting that comes from a natural source like the sun!



## Artificial Lighting

Lighting that is created by humans and comes from an unnatural source like a light bulb or TV!



## Switch

A component in a circuit, when turned ON, allows flow of the electricity. The flow of electricity is broken when the switch is pushed into the OFF position, thus turning off the light.



## Reflector

A plastic part, coated with a shiny aluminium layer that rests around the lamp (light bulb) and redirects the light rays from the lamp to allow a steady light beam, which is the light you see emitting from the torch.



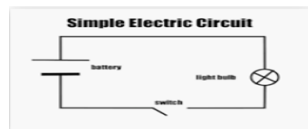
## Torch

A portable battery-powered electric lamp.



## Circuit

An electrical circuit is a path in which electrons from a voltage or current source flow.



## Interior

The interior is the inside of something - like the inside of your torch!



## Exterior

The exterior is the outside of something - like the outside of your torch!



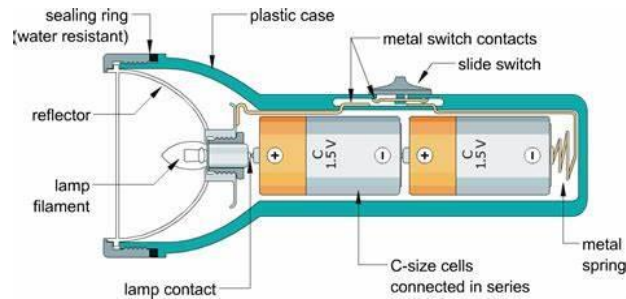
## Cross-Section

A cross-section is a way of viewing a product which looks like it has been cut down the middle. This shows the interior details of the product.



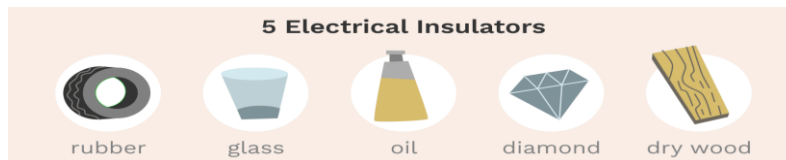
## Casing

The tube that houses the parts of the flashlight, including the batteries and lamp (light bulb).



## Insulator

A material that does not let electricity pass through it easily.



## Conductor

A material that lets electricity pass through it easily.



## Incandescent

Incandescent light is a source of light which is caused when light is emitted by the filament inside the bulb heating up.



## Halogen

Halogen light is similar to incandescent light however the bulb also holds halogen gas inside of it which means it can create more heat emitting a slightly more efficient light!



## **Fluorescent**

A fluorescent lamp, is a type of electric light (lamp) that uses ultraviolet emitted by mercury vapor to interact with a phosphor, which emits visible light.

