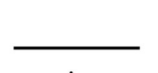
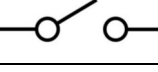
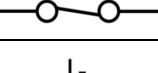
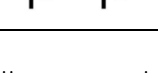


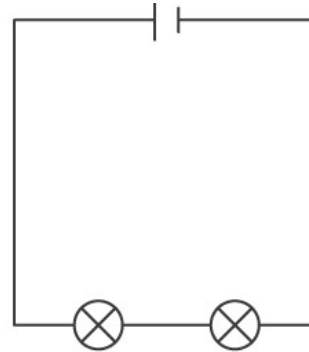
Circuit Symbols

Circuit symbols is a pictogram which is used to replace various electrical and electronic devices in a circuit. These are used universally around the world and are therefore internationally recognised.

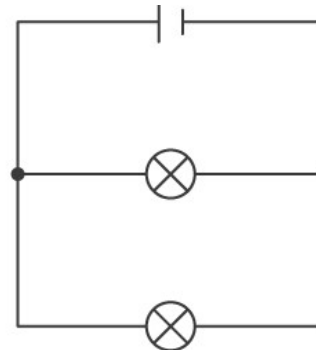
	lamp / bulb
	motor
	wire
	motor
	open Switch (Off)
	closed Switch (On)
	cell
	battery

A cell is a single unit which powers a circuit. Whereas a battery is a group of several cells.

Series vs Parallel Circuits



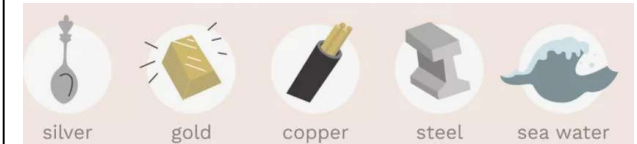
A series circuit is made up of a single path along which the whole current flows through every component.



A parallel circuit is composed of multiple branches in which current flows down before re-joining at the battery or cell.

Conductors and Insulators

A conductor is a material which allows electricity, heat or sound to flow through it. An object which is a good electrical conductor allows electricity to flow through it easily.



An insulator is a material which does not allow electricity, heat or sound to flow through it. An object which is a good electrical insulator stops electricity from passing through it.



A good conductor has very low resistance. A good insulator has very high resistance – the best insulator would have infinite resistance.

Electricity

