

How Does Electricity Work

Electrons: Electricity involves the movement of electrons, which are negatively charged particles. When there is a difference in electrical notential (voltage) between two loints, electrons will move from the area of higher negative charge to the area of positive charge.

Electric current: An electric current is the rate at which electrons flow through a circuit, measured in amperes (amps).

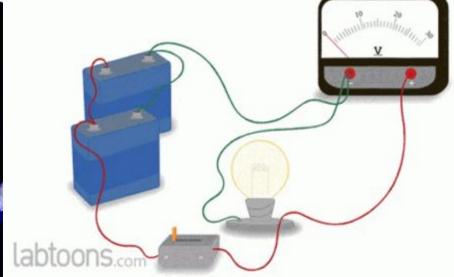
Circuits: A complete circuit is needed for electricity to flow continuously, such as a wire connecting a battery to a lightbulb.

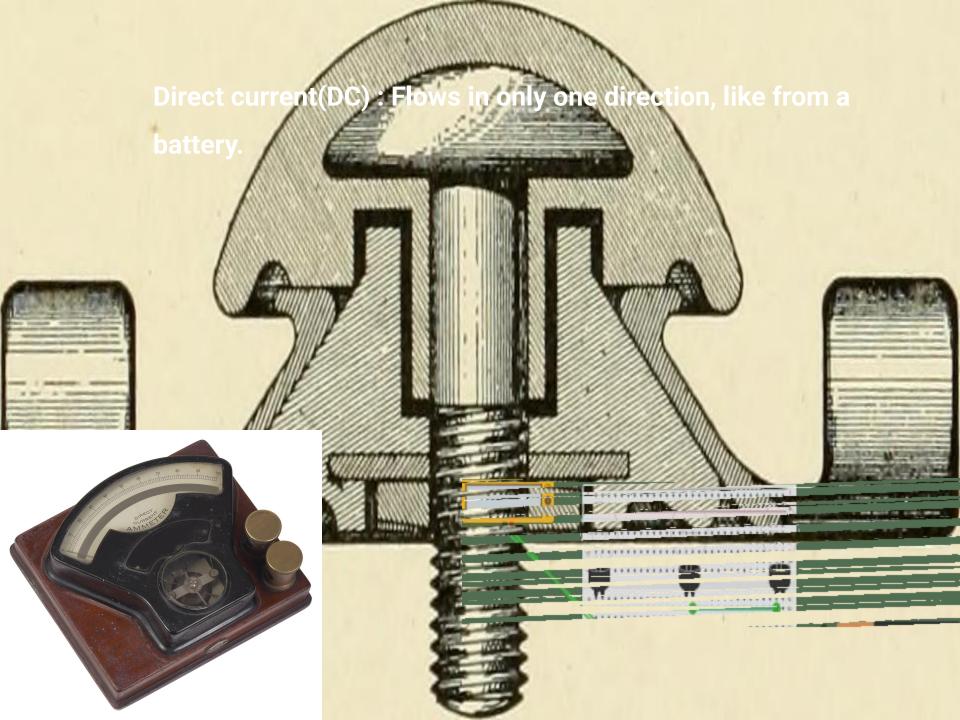
Generation: Most electricity is generated by using a turbine to spin a generator, which uses magnets to force electrons to move through wires and create a current.

Types Of Electricity

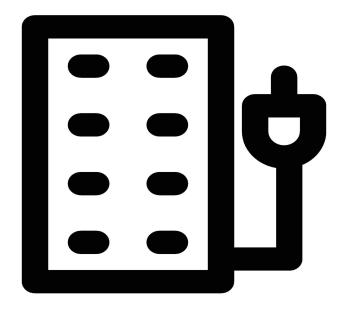
Current electricity: This is the electricity that flows continuously in a circuit. It includes:.

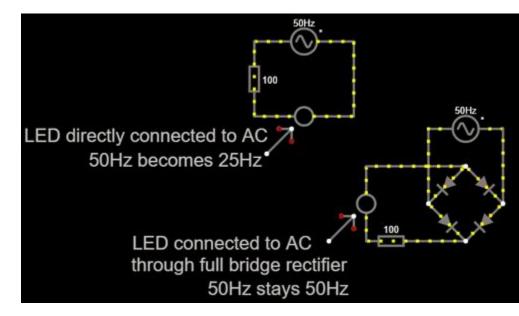






• Alternating current(AC): Periodically reverses direction, like the electricity from power plants and the wall outlets in your home.





• Static electricity: This is an imbalance of electric charges on the surface of an object, which results in a buildup of charge. A common example is when you rub a balloon on your hair and it becomes charged, causing your hair to stand on