

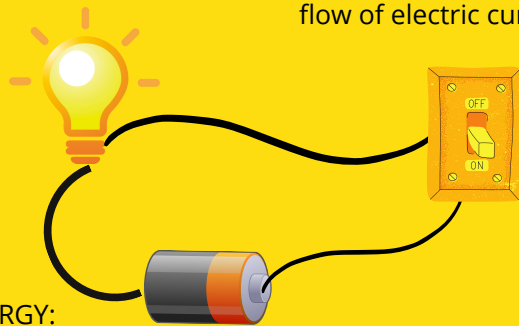
ELECTRIC CIRCUITS

CIRCUIT: It is a closed path around which an electric current flows

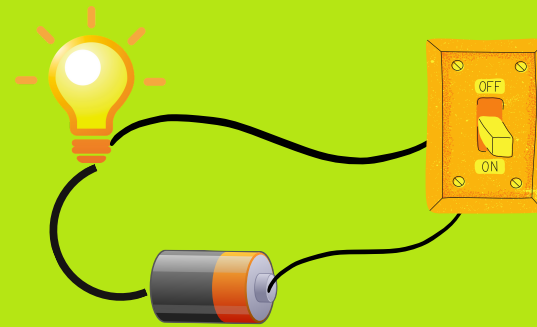
RESISTOR: A device that use energy such as bulb, motor or buzzer.

SWITCH: Controls the flow of electric current

SOURCE OF ENERGY:
A battery or generator

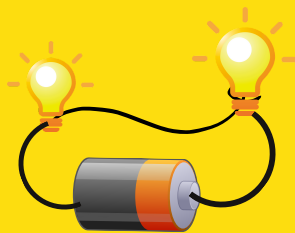


CLOSED CIRCUIT: When the circuit is complete, current moves from positive terminal of battery to negative terminals through the closed path. The resistor gets the current and works. A bulb glows, buzzer sounds or motor spins.

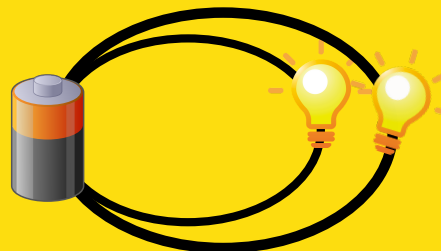


A switch, when it is on, closes the circuit. When it is off, it breaks the circuit and the resistor doesn't work

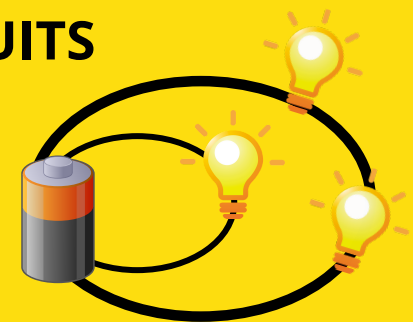
SERIES, PARALLEL AND COMPLEX CIRCUITS



SERIES CIRCUIT: Two or more devices are connected end to end in a single path. If the circuit is broken, none of the devices will work



PARALLEL CIRCUIT: Two or more devices are connected in a path that splits into two or more branches. If one path is broken, that device will not work, while other branches will still get power.



COMPLEX CIRCUIT: A combination of series and parallel circuit.