2 types of electricity

\*Current-continuous flow of electric charges

\*Static electricity- short burst of electric charge

\*Circuit-complete closed path through which electricity flows

\*closed path -fixed pathway with the same start and end point

\* 3 MAIN (must haves) parts of a circuit

 1- energy/power source:

battery or mains

 2- wires

 3 -load aka resistor: flashlight, ipod, radio…

EXTRA PART:

Switch- turns circuit on or off by opening or closing the circuit

* TYPES of circuits

1 series- 1 path for current to travel

Old Xmas lights…one blew they all went out

2 parallel- more than 1 path

 House/ building

\*Short Circuit-NOT GOOD-unintended path connecting 1 part of a circuit with another part of a circuit causing the circuit to overheat (fire)

\*WAYS TO PREVENT OVERHEATING

 Ground plug, Fuses, Circuit breaker