

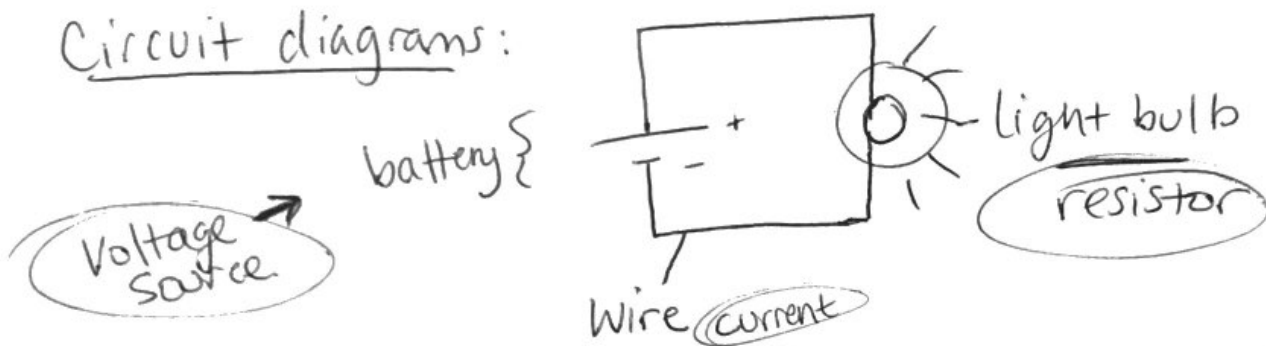
Notes from class

4/17/19

Circuit - flow of electrons - closed pathway attached to a voltage source.

electrons came from battery - went into the light - and then back to the battery.

Circuit diagrams:



This is a closed circuit - there are no openings. When you close the circuit, the light bulb lights up.



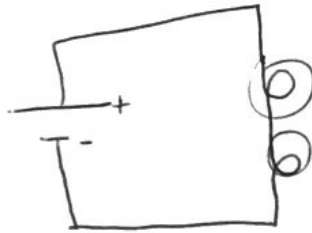
This is an open circuit. There is an opening. The light bulb will not light up.

Voltage: (battery) a lot of electrons on one side, few on the other side.

Resistor: (light bulb) insulators Electrons will flow through only if there is enough voltage.

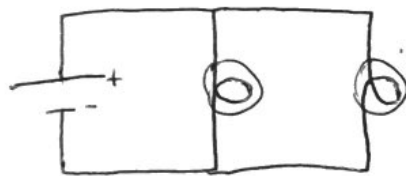
Current: (wire) carries electrons from battery to resistor.

Connecting 2 lightbulbs:



Series circuit:
one pathway for
current to travel.

The light bulbs get dimmer when lighting up
2 light bulbs with the same battery.



Parallel circuit:
multiple pathways
for current to travel.

The light bulbs have the same brightness as if
there were just one light bulb alone.

Conductor: electrons flow through easily.

Insulator: electrons do not flow through easily.