Week 9

Trinity Robotics

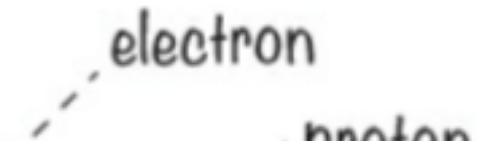
10/11/2023

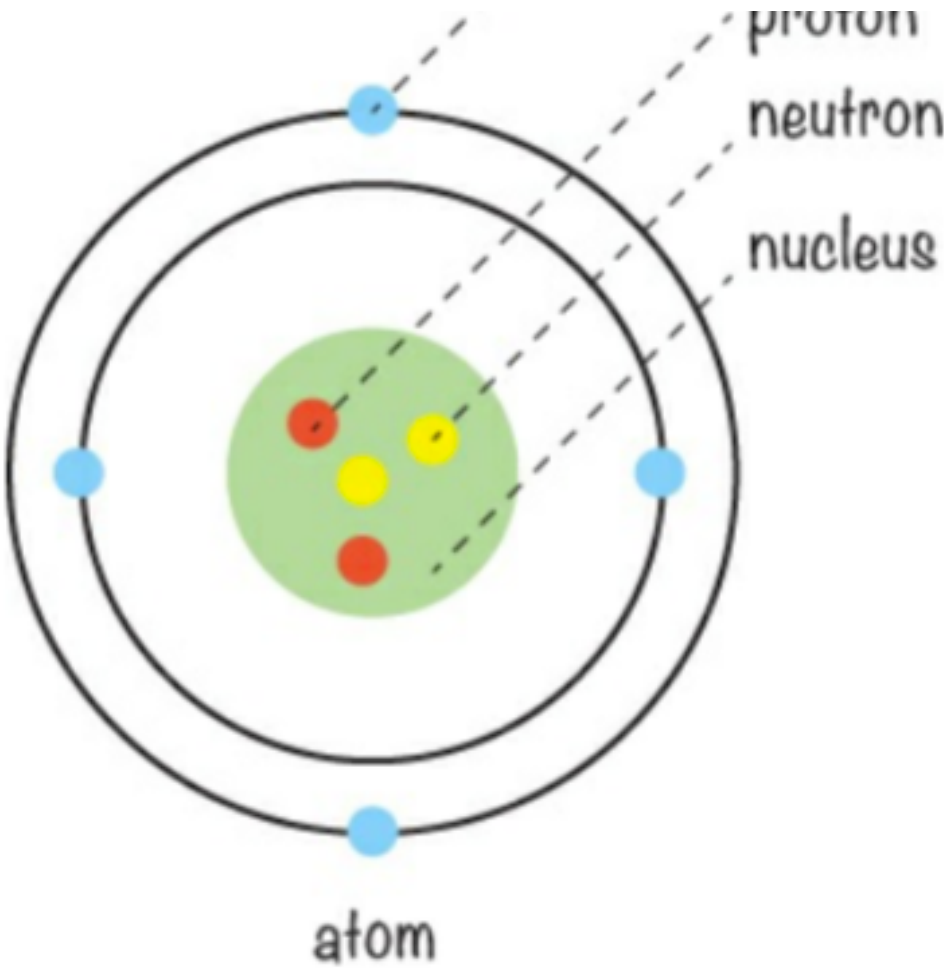
Today's class is about circuits.

We have been working with 1 type, Lets Level Up,
And expand our knowledge about circuits and learn about another way to wire a circuit.

Questions:

What (small particles) flows to create electricity?





Series Circuit

Steps:

(1) Insert batteries, with the switch off
(negative terminal is spring)

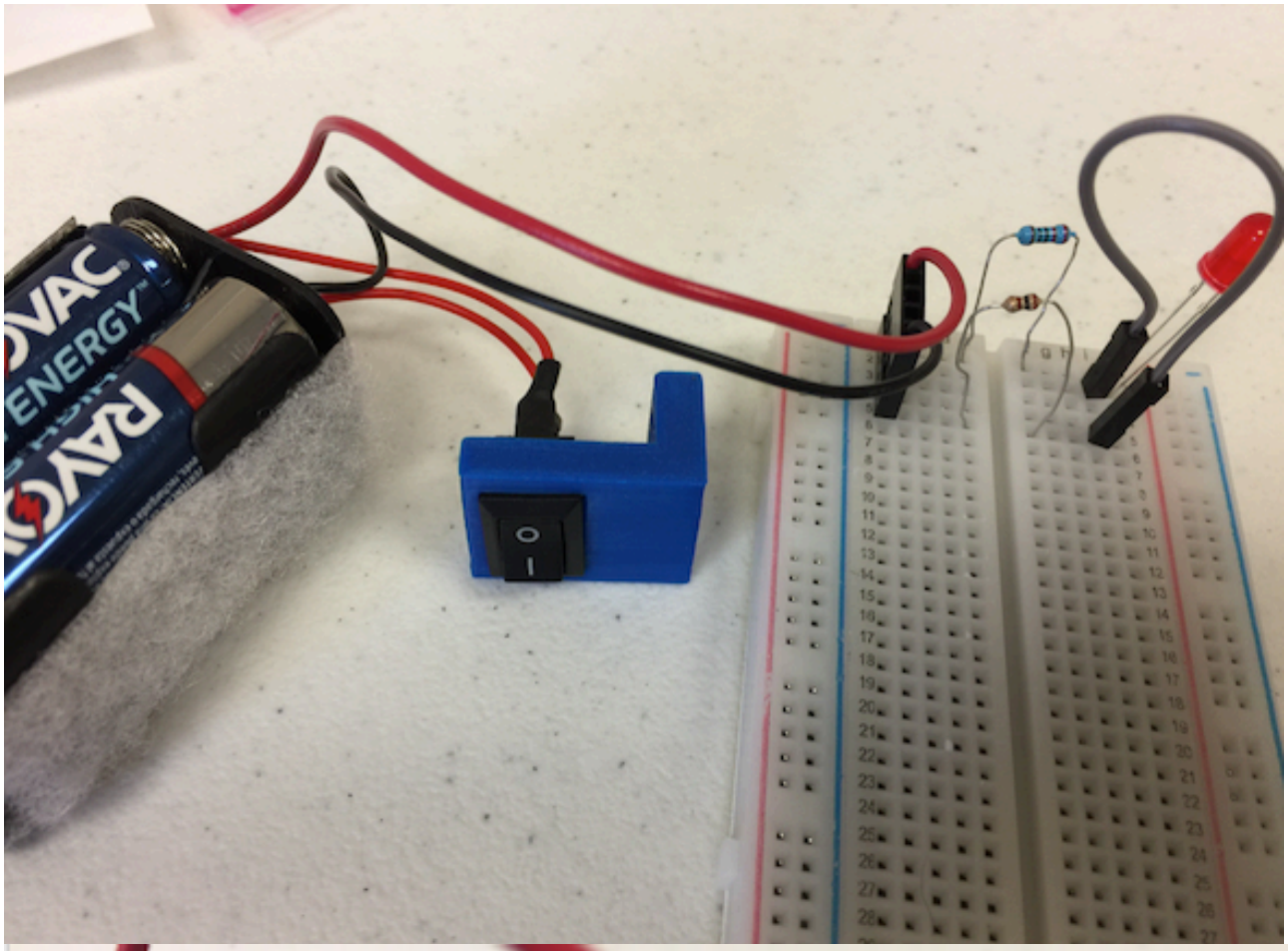
(2) Identify your bread board column "a"
insert the power supply (red wire) into row 2
of column "a", and the black wire in column 6.

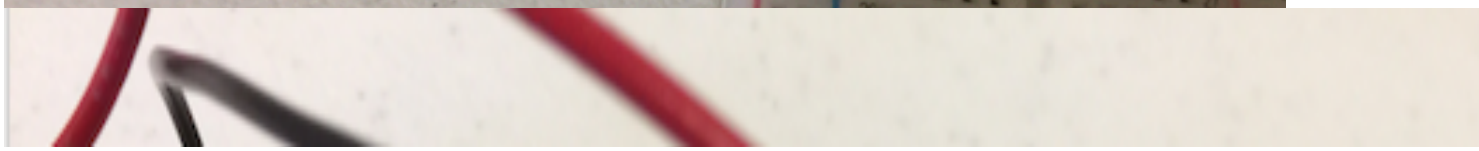
(3) add a resistor to connect electricity;

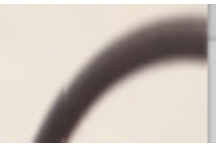
connect the resistor from e2 -> f2

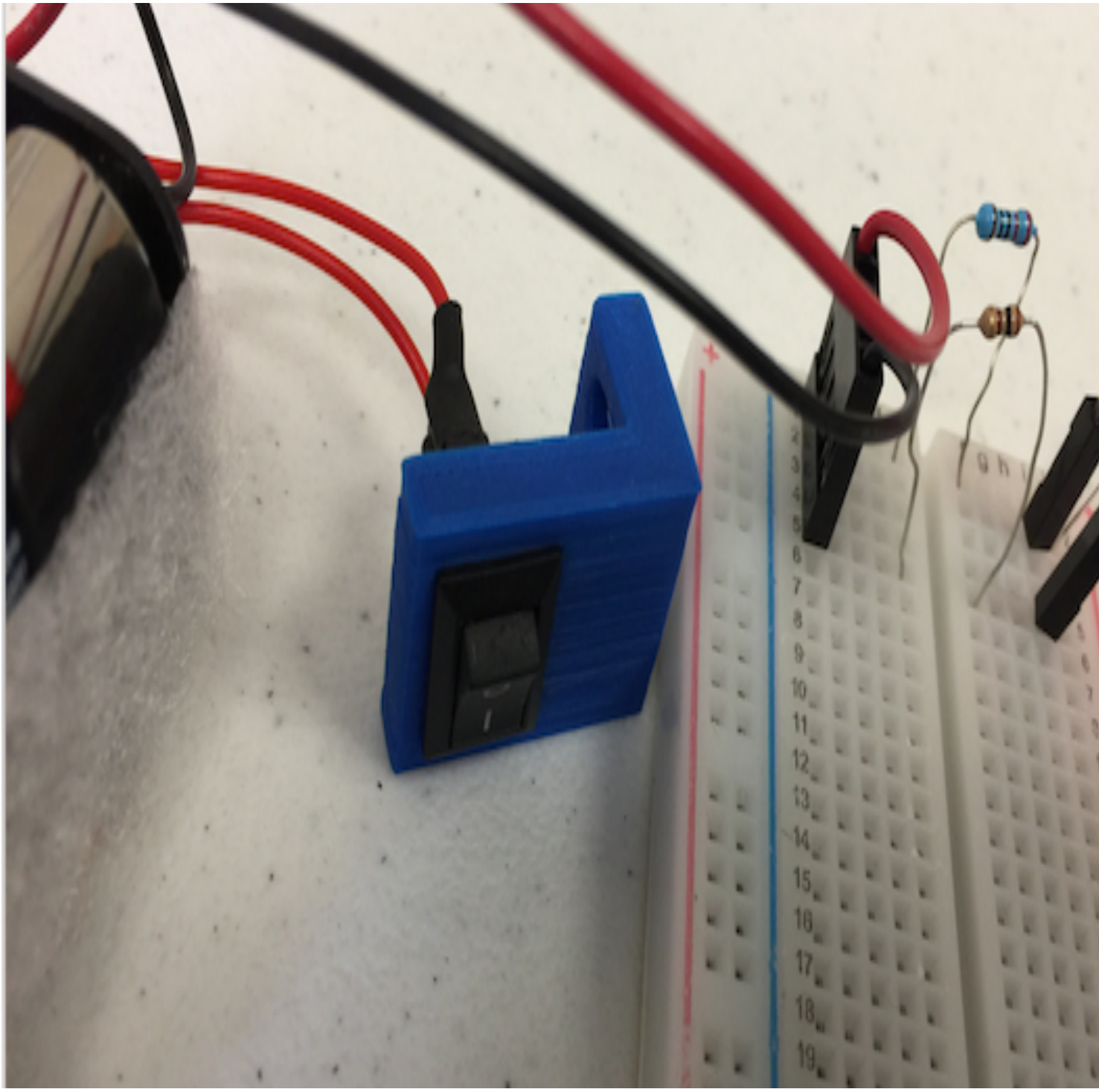
(4) insert a LED (light emitted Diode); the positive terminal is the longer leg, insert the LED from j2 -> j3
(5) find a wire and insert it from i3 -> i6
(6) insert a resistor from f6 -> e6
(7) review circuit for accuracy, and test. Turn on the switch.

-> reverse the LED… does the LED light up?



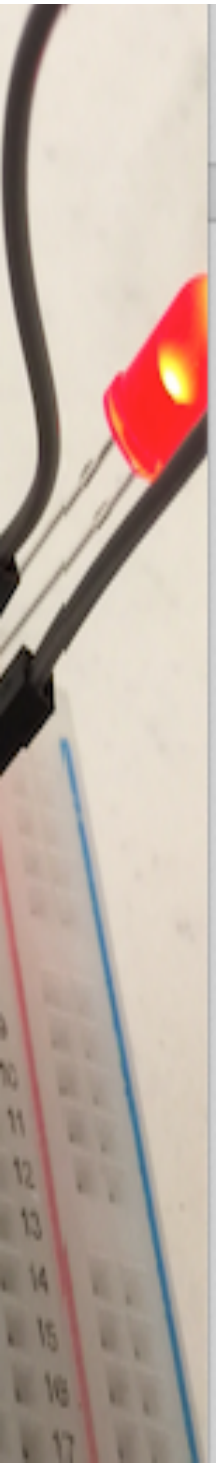






Introduction to Series Vs. Parallel Circuits:

[Series and Parallel Circuits (Interactive!): Electronics Basics 5]



http1://www.youtube.com/watch?v=MMD32gyHVQw

Next we will have a hands on Exercise:

using a 6 volt (4 batteries) power source -

1. Build a series Circuit
2. Build a Parallel Circuit