**Station #3: Schematic Diagrams**

**Directions:**

Please make sure to check your mission sheet to see which questions are expected of you. Please complete these questions on your own loose leaf and include it with your mission work.

**Questions:**

1. Create a schematic diagram of “Circuit A” and show the flow of electricity.
2. State if the light bulb(s) will work in “Circuit A”, explain your answer.
3. A. Using your textbook on page 579, create a definition for a resistor.
4. What does the resistor in “Circuit A” do to the light bulb(s)?
5. Create a schematic diagram of “Circuit B” and show the flow of electricity.
6. State if the light bulb(s) will work in “Circuit B”, explain your answer.
7. What do you believe the resistor will do to the light bulb(s) in “Circuit B”?