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Conductivity Check Worksheet

 Currently, you have a 9-volt battery, one 68 ohm resistor, three lengths of copper wire, and one blue LED on your breadboard. Your challenge is to create a closed circuit using only objects from the inventory. You may use as many of those materials as you wish. PREDICT: What will create a closed circuit?

2. Experiment: Test your prediction. Once you have a closed circuit, take a photo of your circuit.

- 3. Why do you think the material you chose to close your circuit worked?
- 4. Why do some materials not close the circuit?

- 5. Based on your results, how would you define "conductive"?
- 6. Based on your results, how would you define "nonconductive"?