

NAME: \_\_\_\_\_

## Lab Report: Light It Up



CHIP KIDS

Complete the lab report as you conduct the experiment!

**PURPOSE:**

**HYPOTHESIS:**

**OBSERVATIONS AND RESULTS:**

**CONCLUSION:**

NAME:

NOTES:

VOCABULARY:

- Circuit: a loop pattern of conductive material through which electricity can flow and be transmitted
- Current electricity: the flow of electrons through a circuit or conductive material in general
- Cathode: the positive side of a battery
- Anode: the negative side of a battery

**NAME:**

## **MATERIALS:**

- Aluminum foil (or copper wire)
- 1 AA battery
- 2 D batteries
- Tape
- 1.5 V lightbulb (flashlight bulb)
- Scissors

## **PROCEDURE:**

1. Take the aluminum foil, the AA battery, and the lightbulb. See if you can put them together in a circuit to make the bulb light up. What happens when the circuit is open compared to when the circuit is closed?
2. Next, replace the AA battery with a D battery and make a similar circuit with the foil and the bulb.
3. Now see if you can add a second AA battery into the circuit and light the bulb again. Did anything change? If so, why do you think it changed?