

# Solar Cell Predict-Observe-Explain

Name \_\_\_\_\_

Science Period \_\_\_\_\_ Date \_\_\_\_\_

## Part 1: A piece of aluminum foil

1. Predict what will happen to the amount of current if we use a different type of material to generate energy compared to a solar cell made of silicon. Let's use *a piece* of aluminum foil instead of a solar cell.

**Prediction:** CIRCLE  $\longrightarrow$  Higher    Lower    No change

Reason for Prediction: \_\_\_\_\_

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2. Record your observations for the piece of aluminum.

**Observation:** CIRCLE  $\longrightarrow$  Higher    Lower    No change

**Part 2: A larger piece of aluminum foil**

3. Let's use *a large piece* of aluminum foil instead of a solar cell.

**Prediction:** CIRCLE  $\longrightarrow$  Higher    Lower    No change

Reason for Prediction: \_\_\_\_\_

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4. Record your observations for the larger piece of aluminum foil.

**Observation:** CIRCLE  $\longrightarrow$  Higher    Lower    No change

### Part 3: Paper

5. Let's use *a piece of paper* instead of a solar cell.

**Prediction:** CIRCLE  Higher     Lower     No change

Reason for Prediction: \_\_\_\_\_

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6. Record your observations for the piece of paper.

**Observation:** CIRCLE  Higher     Lower     No change

## Part 4: Explanation

The observations I made happened because...

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