

# Harnessing the Sun's Energy

Name \_\_\_\_\_

Phenomenon: Look at the phenomenon pictures. What are 3 observations? Now ask three questions about what you see.

Observations:

- 1.
- 2.
- 3.

Questions:

- 1.
- 2.
- 3.

Predict five things that Rio Tinto does with this energy from its solar panels.

- 1.
- 2.
- 3.
- 4.
- 5.

Where do you think the energy comes from? In your own words, explain the process.

How can you get the most energy from the solar panels you have? List 3 variables you could test.

- 1.
- 2.
- 3.

Use a voltmeter to measure the volts produced by the solar panels. Choose one of your variables and test it. Do the same with two other variables. You will need to take multiple readings for each of your variables.

Variable tested:	Volts	Draw your design.


Summarize your experiments by writing a claim statement about how you can strengthen the electrical strength of solar panels.

Claim

Evidence

Reasoning