

Participants:

Date: _____

***A priori* questions and answers:**

- What have you noticed about the way the angle of the sun changes over the course of the year?
- What is different about the way the light looks, the feel of the sun?
- What time do you expect the sun to set tonight? How about 6 months ago?
- Other thoughts on the topic?

Preliminary Hypothesis (*class generated*):

Experiment Documentation:

[illegible]

Procedures (in chronological order, explaining action performed and purpose)

[illegible]

Findings

Place and Latitude (°)		
	Winter	Summer
Beginning temperature (°C)		
Maximum temperature (°C)		
Temperature change (°C)		
Angle of Insolation (°) (Suns 90° location on: Summer Solstice = 23.5° N, Winter Solstice = 23.5° S)		

Place and Latitude (°)		
	Winter	Summer
Beginning temperature (°C)		
Maximum temperature (°C)		
Temperature change (°C)		
Angle of Insolation (°) (Suns 90° location on: Summer Solstice = 23.5° N, Winter Solstice = 23.5° S)		

Preliminary Analysis (include writing, diagrams, images, photos, etc.):

What did you learn from your experiments? Did your findings support/refute your hypothesis?

**DO NOT WORK ON THIS AREA UNTIL AFTER YOU HAVE
COMPLETED THE CLIMATE STATISTICS CALCULATIONS AND ANALYSIS**

After you have worked with and completed the actual climate statistics and performed solar area of radiation and beam intensity calculations...

Final Analysis (include writing, diagrams, images, photos, etc.):

What did you learn from the calculations of energy statistics? Did these results strengthen or weaken your previous conclusions?