

Sunlight & Soil

Name _____

Part A: Data Collection

Use weather instruments to record each condition in the chart. Try to take your measurements at the same time every day.

Day	Time	Air Temperature	Soil Temperature	Length of Day	Cloud Cover
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					

Part B: Data Analysis

Use the data you have collected to construct two graphs to show:
(1) the relationship between the length of a day and soil temperatures and
(2) the relationship between air temperature and soil temperature.



Part C: Conclusion - Answer the following questions related to this experiment.

(1) Did you discover a relationship between the two variables: length of a day and soil temperature? Explain.

(2) Did you discover a relationship between the two variables: air temperature and soil temperature? Explain.

(3) Does the amount of cloud cover play a role in your experiment?

(4) Was the soil temperature consistent throughout the Nature Center? Did your measurements match those taken by fellow students? Why or why not?

(5) What other questions related to this experiment would you like to investigate?

Staple your graph page to this paper!