Fun in the Sun & Shade

Student Recording Sheets

1. Describe and compare how the temperature of the bowls of soil felt before they were placed in the sun and shade.

2. Describe and compare how the temperature of the bowls of water felt before they were placed in the sun and shade.

3. Before placing bowls in the sun and shade, complete the starting temperatures of the chart. Complete the ending temperatures after 30 minutes. Then you can find the difference between the starting temperatures and the ending temperatures.

	STARTING TEMPERATURE OF THE SOIL AND WATER		ENDING TEMPERATURE AFTER 30 MINUTES IN THE SUN		TEMP. DIFFERENCE	
Bowls	Temperature °F	Temperature °C	Temperature °F	Temperature °C	° F	° C
Sun - Soil						
Shade - Soil						
Sun - Water						
Shade - Water						

*Answer the following questions in a complete sentence.

5. What warms the land and the water? How do you know?

6. What happened to the soil that was put in the sun for 30 minutes?

7. What happened to the water that was put in the sun for 30 minutes?

8. Describe and compare the temperature of the bowls of soil *after* they had been placed in the sun and shade.

9. Describe and compare the temperature of the bowls of water *after* they had been placed in the sun and shade.

10. If we had left a bowl of soil inside the classroom, how do you think it would have compared to the two bowls put outside? Explain why do you think so?

11. If we had left a bowl of water inside the classroom, how do you think it would have compared to the two bowls put outside? Why do you think so?

12. What other things does the sun warm? List at least three things.