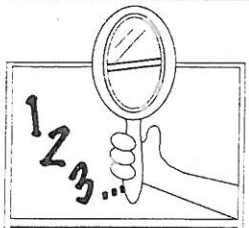
Sun Fun



Procedures

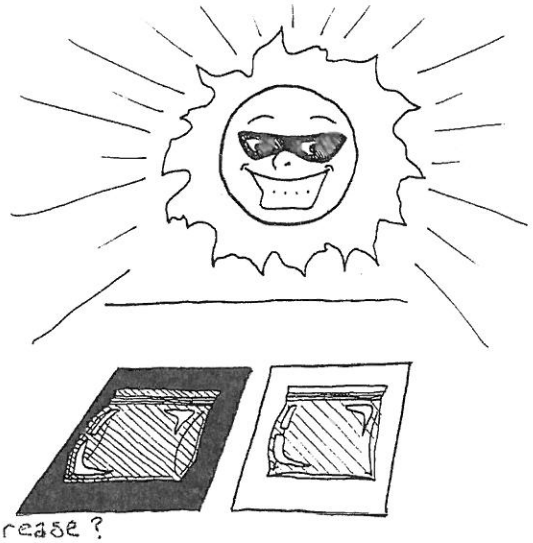
Note: This experiment must be done on a bright, sunny day.

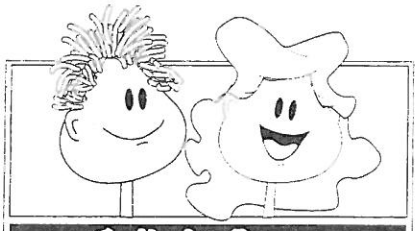
1. Pour 1/2 cup cold water into each zip lock bag. If you have a thermometer, measure the temperature of the water in each bag and record it on a piece of paper.
2. Seal both bags tightly. Make sure neither bag leaks.
3. Place the two sheets of paper on a flat surface in direct sunlight. Lay one zip lock bag of water on the black paper and the other bag on the white paper.
4. Leave the two bags in the sun for 30 minutes. What do you think will happen to the water temperature in each bag?
5. After 30 minutes, pick up each bag and feel their water temperatures. Which bag is warmer?
6. If you have a thermometer, measure and record the temperature of the water in each bag. What is the difference in water temperature between the two bags?

Due Date

Materials

- 1 cup water
- 2 small zip lock bags
- 1 sheet black paper
- 1 sheet white paper
- Measuring cup
- Thermometer (optional)
- Clock or watch





Talk It Over

1. What caused the water temperature increase?
2. Why was one bag warmer than the other one?
3. Do you think other colors of paper would affect the water temperature? Try another experiment to find out!
4. What color T-shirt would be the coolest to wear on a hot, sunny day?
5. Knowing about the effects of dark and light colors might be important in other situations. Can you think of any examples?