

Greenhouse Effect in a Baggie

Supplies:

1 ziplock bag per group 2 small thermometers
Clock or stopwatch Lamp or sunny spot



1. Place one thermometer in a baggie and zip it shut, making sure to blow some air inside the bag.
2. Read the temperature on each thermometer and record them. They should be very close to the same reading.

Temperature of the thermometer out of the baggie _____

Temperature of the thermometer in the baggie _____

3. Place the two thermometers in the sunny spot or under a lamp, making sure both are the same distance away from the light source. Wait 20 minutes.
4. What is your prediction of what the thermometers will read after 10 minutes?

6. After 20 minutes, record both temperatures.

Temperature of the thermometer out of the baggie _____

Temperature of the thermometer in the baggie _____

6. Is there a difference in the temperature of the two thermometers?
If so, what is it?

7. How is the baggie like the atmosphere of the earth?
