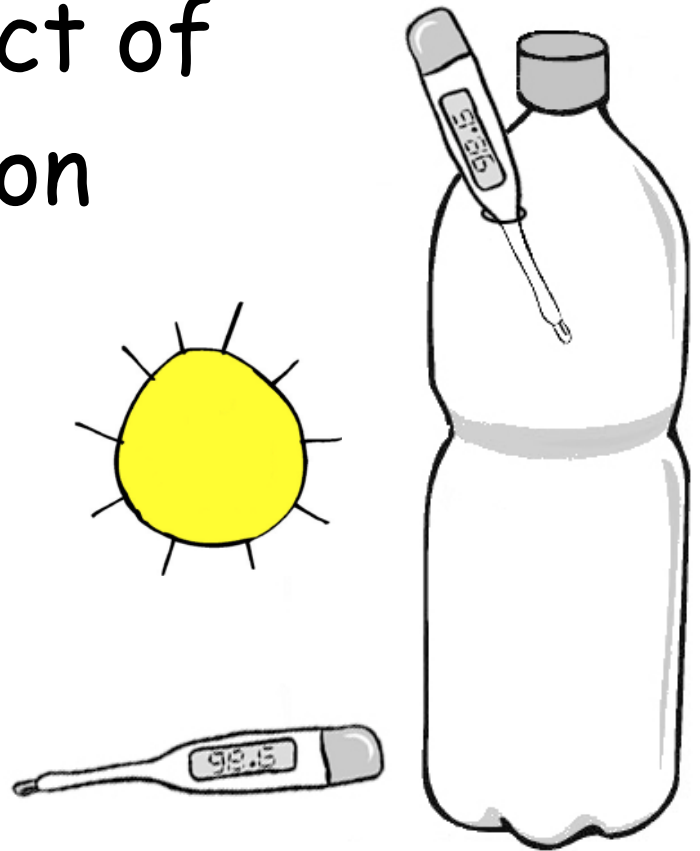


## Test the Effect of a Greenhouse on Temperature

### Materials needed:

- Plastic bottle
- Nail
- 2 thermometers
- Notebook
- Pencil



### Part 1:

#### Making a greenhouse

1. Make a hole near the top of the plastic bottle with the nail.
2. Insert the first thermometer into the hole.

### Part 2:

#### Recording data

1. Place the second thermometer next to the bottle.
2. Make sure that the same amount of sunlight reaches both thermometers.
3. After 10 minutes, note temperature values from both thermometers.
4. Record the data in the notebook.
5. Take the temperature records again after another 10 minutes.



### Part 3:

#### Analysing results

1. Ask the following questions:
  - Do both thermometers record the same temperature?
  - If no, which one is higher?
  - Can you explain why these two temperature records are not the same?

Read the information on the previous page about how us humans can create too many Greenhouse Gases and what effect these are having on world temperatures.

Courtesy of Met Éireann  
<http://www.met.ie/education/>