

Investigation 1 Warm in the sun

1 / 2

Task : *Record the temperature difference between sunny and shady areas, inside and outside.*

What you need

- Thermometer
- Piece of dark cardboard (just a bit bigger than your thermometer)
- Pad and pencil to record temperature
- Watch or clock – and 25 minutes

Step 1

Record the outside temperature in the shade. Choose a shady outdoor area. Give the thermometer enough time to adjust and then record the temperature on the record sheet.

Step 2

Record the outside temperature in direct sunlight. Choose a sunny area outside. Give the thermometer time to adjust and record the temperature on your record sheet. Make a note of any clouds.

Step 3

Record the inside temperature in direct sunlight. Choose a sunny area inside close to a north facing window. Give the thermometer time to adjust and record the temperature on your record sheet.

Step 4

Record the inside temperature away from direct sunlight. Choose a sunny area inside close to a north facing window. Give the thermometer time to adjust and record the temperature on your record sheet.

Step 5

- Make observations of variables that might change the temperature, i.e., clouds, rain, wind.
- Present your results in a table (use the example below).

Warmest spot	
Coollest spot	
Difference in temperature	

