COOL TREES

Are there trees near your school or home? Walk under the shade of a tree on a hot day. Does it feel hotter or cooler there?

WHAT YOU’LL NEED

• Two containers, both the same size and shape
• Water
• Measuring cup
• Thermometer

WHAT TO DO

1 Fill both containers with the same amount of water. Put one container of water in a place that stays sunny for a long time. Put the other container under the shade of a tree.

2 Check the temperature of the water in each dish after 1 hour, after 2 hours, and after 4 hours (or more often if you like). Use your thermometer to measure the temperature each time. Record your measurements on your data table.

<table>
<thead>
<tr>
<th>Start time</th>
<th>Temperature of water in sunny dish</th>
<th>Temperature of water in shady dish</th>
</tr>
</thead>
<tbody>
<tr>
<td>after 1 hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>after 2 hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>after 4 hours</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3 Did you notice any other changes in the two containers over time? Does the water in one dish dry up (evaporate) faster than the other?

DID YOU KNOW?

• Shade trees grown near your home can help reduce the amount of energy you use to cool your home.