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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.

Start time	Temperature of water in sunny dish	Temperature of water in shady dish
after 1 hour		
after 2 hours		
after 4 hours		

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.