

Cooling Fan

Grade Levels:

4-6

Question:

Does a fan really cool the air?

Possible Hypotheses:

A fan does/does not cool the air.

Materials:

Portable Fan

Thermometer

Procedure:

1. On a hot day, place a portable fan on a table. Use a thermometer to record the temperature in the room.
2. Turn the fan on and hold the thermometer three feet from it so that the air blows on the thermometer. After one minute, record the temperature.
3. Hold the thermometer two feet from the fan, then one foot. Record the temperature.

Analysis and Conclusion:

Does a fan actually cool the air? Why does the air feel cooler?

