

Weather

Lessons 3–4



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Weather

Lessons 3–4

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Measuring Weather

Tools can help you measure weather.

These children are measuring rainfall.

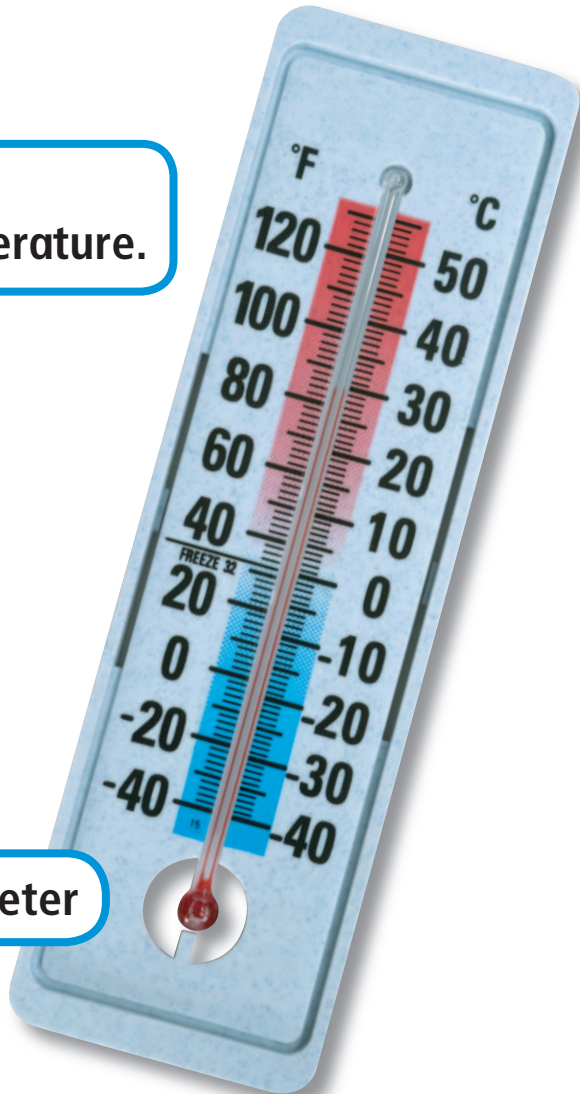


Measuring Temperature

You can find out how warm the air is.

Thermometers measure temperature.

thermometer



Measuring Wind



You can find out about wind.

Measuring Rain



The numbers on a rain gauge show how much rain has fallen.

rain gauge

You can find out how much rain falls.

Heat from the Sun

- ▶ The sun gives off light and heat.
- ▶ Light and heat are forms of energy.





Heat from the sun warms Earth.



The Sun Makes Weather Happen



 Heat from the sun warms the street.



 The street may stay cool on a cloudy day.

- 
- ▶ Sunlight warms the land.
 - ▶ Then the air above the land warms up.
 - ▶ As air warms up, it moves.
 - ▶ The air makes the clouds move.



▶ Some clouds bring rain.

The Water Cycle

2

Water drops form clouds.

1

Water changes to a gas. It moves to the air.

🔊 Rain is part of the water cycle.

3 🔊 The water drops in clouds fall as rain or snow.

4 🔊 Rain and snow flows into rivers, lakes, and oceans.

5 🔊 The cycle begins again.

Vocabulary

-  air, p. 3
-  thermometer, p. 3
-  temperature, p. 3
-  wind vane, p. 4
-  rain, p. 5
-  rain gauge, p. 5
-  energy, p. 6
-  sunlight, p. 9
-  land, p. 9
-  water cycle, p. 10
-  water, p. 10

Think About the Reading

-  **1.** What more would you like to know about weather?
-  **2.** How could you find out what you want to know?

Hands-On Activity

-  **1.** Hold a tissue by the corner.
-  **2.** Go outside. Hold the tissue in the air. See which way the wind is blowing.

School-Home Connection

Tell a family member about different kinds of weather. Talk about the different tools for measuring weather.