

SECTION: FORECASTING THE WEATHER

1. How far ahead does a weather forecast predict the weather?

2. A person who makes weather predictions based on data on atmospheric conditions is a(n) _____.

WEATHER-FORECASTING TECHNOLOGY

Match the correct description with the correct term. Write the letter in the space provided.

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|----------------------------------------------------------------------------------------------|--------------------|
| _____ 3. measures wind direction | a. anemometer |
| _____ 4. carries electronic equipment that measures weather conditions above Earth's surface | b. windsock |
| | c. barometer |
| | d. weather balloon |
| _____ 5. measures air pressure | e. thermometer |
| _____ 6. measures air temperature | |
| _____ 7. measures wind speed | |

8. Weather balloons carry equipment that measures what three things?

9. How do weather balloons send measurements to weather stations on the ground?

10. The liquid in a thermometer moves up the glass tube when the air temperature _____.

_____.

Directed Reading A *continued*

11. How does a barometer work?

12. The technology that shows the form, amount, and location of precipitation is called _____

13. What is a special type of radar meteorologists could use to predict when a tornado might touch down?

14. As they orbit Earth, _____ provide images of weather systems that we see on television weather reports.

WEATHER MAPS

15. Where does the National Weather Service get its information for its weather maps?

16. A representation of a weather station on a map is called a(n)

17. The lines on a weather map that connect points of equal air pressure are

18. What does an isobar that is a closed circle represent?
