

M O D E R N E A R T H S C I E N C E

Section 25.3

Weather Instruments

Choose the one best response. Write the letter of that choice in the space provided.

_____ 1. When a weather map shows a wind symbol at 270° , it indicates that the wind is coming from the:

- a. north. b. south. c. east. d. west.

_____ 2. A barometer is used to measure:

- a. wind speed. b. precipitation rate.
c. humidity level. d. air pressure.



_____ 3. What type of thermometer is shown in the diagram?

- a. bimetal b. liquid
c. thermograph d. electrical

_____ 4. Satellite images made by using infrared energy primarily reveal information about atmospheric:

- a. temperature. b. humidity. c. pollution. d. wind speed.

_____ 5. Radiosondes are most often used to measure:

- a. cloud droplet size. b. aerosol levels.
c. ion formation rates. d. relative humidity.

Read each question and answer it in the space provided.

6. What two temperature scales are commonly used in the United States?

7. A wind vane points north on a very windy day. In directional terms, how is the wind described?

8. Which instrument do scientists use to measure wind speed?

9. What information do scientists gather by tracking the path of a helium-filled balloon?

10. What do meteorologists measure by using a psychrometer?
