

Directed Reading B *continued*

MEASUREMENT

- _____ **10.** Many standardized units of measurement were once based on
- a.** the weather.
 - b.** mythology.
 - c.** parts of the body.
 - d.** ancient worldwide standards.

11. What are two advantages of using the International System of Units?

12. What unit of measurement would a life scientist use to describe the length of an ant?

13. A measure of the size of the surface of an object or region is its

14. The units for area are called _____ units.

15. What is the term used to describe the size of something in three-dimensional space?

16. What SI units of measurement are used to describe the volume of liquids and solids?

17. What does 1 mL of a liquid equal in cubic centimeters?

18. How would you find the volume of a box-shaped object?

19. How would you find the volume of an irregularly shaped object?

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20. What tool is used in science to measure the volume of a liquid?

21. A measure of the amount of matter of an object is its

_____.

22. Why is the mass of an object constant any place in the universe?

23. What units of measurement are used to describe an object's amount of matter, or mass?

24. What is weight?

25. Why is the weight of an object on Earth different from its weight on the moon?

26. What is temperature a measure of?

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

_____ **27.** an indication of the amount of energy within matter

_____ **28.** a tool used to show temperature

_____ **29.** official SI base units for describing temperature

_____ **30.** units commonly used by scientists to describe temperature

a. kelvins

b. temperature

c. degrees Celsius

d. thermometer