

Directed Reading B *continued*

DESCRIBING THE ENTIRE SET OF DATA

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

- _____ **6.** the number obtained by adding up the data for a given characteristic and dividing this sum by the number of individuals
- _____ **7.** the value of the middle item when data are arranged in order by size
- _____ **8.** the most frequently occurring value in a data set
- 9.** When is using the median especially useful?

- a.** mode
b. mean
c. median

SLOPE OF A LINE

- 10.** A measure of the slant of a line is called the _____.
- 11.** What does the rise represent?
- _____
- 12.** What does the run represent?
- _____
- 13.** How is the slope of a straight line calculated?
- _____
- 14.** The value of the slope between any two points on that **line** will be a(n) _____ number.
- 15.** In the equation $y = kx$, which letter represents the slope of the line, also known as the constant term?
- _____

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

- _____ **16.** displays a straight line
- _____ **17.** displays a curved line
- a.** nonlinear graph
b. linear graph

Vocabulary and Section Summary B

Tools and Models in Science

VOCABULARY

After you finish reading the section, try this puzzle! Use the clues provided to solve the crossword puzzle.

ACROSS

1. a measure of the size of an object in three-dimensional space
4. the ratio of a substance's mass to the substance's volume
6. a descriptive statement or equation that reliably predicts events under certain conditions
7. a measure of how hot or cold something is

DOWN

2. a pattern, plan, representation, or description designed to show the structure or workings of an object, system, or concept
3. a measure of the amount of matter in an object
5. a system of ideas that explains many related observations and is supported by a large body of scientific evidence

