

Chapter 2

CHAPTER REVIEW

● Physical Science Methods

Part A. Vocabulary Review

In each of the following statements, a term has been scrambled. Unscramble the term and write it on the line provided.

- _____ 1. A visual display of information or data is a *hagrp*.
- _____ 2. The basic unit of mass in SI is the *groilkam*.
- _____ 3. The basic unit of length in SI is the *treem*.
- _____ 4. The amount of space an object occupies in its *muleov*.
- _____ 5. Liquid volumes are often measured in either cubic centimeters or *sliert*.
- _____ 6. A measure of the amount of matter in an object is *sams*.
- _____ 7. A measure of the amount of mass per unit volume of a material is *sitendy*.
- _____ 8. An exact quantity that people agree to use for comparison is called a *drastand*.
- _____ 9. Units of measurement that are obtained by combining other units are called *drivede* units.
- _____ 10. In SI, time is measured in *deconss*.
- _____ 11. The temperature scale used in SI is the *vinelk* scale.
- _____ 12. SI is the standard system of *meterasumen* used worldwide.
- _____ 13. The interval between two events is *emit*.

Match each prefix used in SI in Column I with its meaning in Column II. Write the letter of the correct meaning in the blank on the left.

Column I

Column II

- | | |
|------------------|----------|
| _____ 14. kilo- | a. 0.001 |
| _____ 15. centi- | b. 0.01 |
| _____ 16. milli- | c. 0.1 |
| _____ 17. deci- | d. 10 |
| _____ 18. hecto- | e. 100 |
| _____ 19. deka- | f. 1000 |

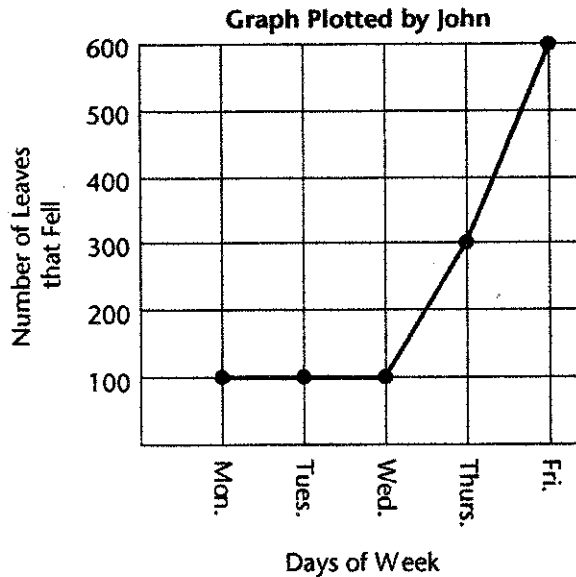
Chapter 2 Review (continued)

Part B. Concept Review

John counted the number of leaves that fell from a tree for a five-day period. John used a graph to show his data. Use John's graph to answer questions 1–6.

1. What type of graph did John use to display his data? _____
2. What is the dependent variable on John's graph? _____
3. What is the independent variable on John's graph? _____
4. On which day of the week did the greatest number of leaves fall? _____
5. On what days of the week did the number of leaves that fell remain constant?

6. On what other kind of graph could this data be shown? _____



Convert the following.

7. 200 m = _____ km
8. 1.2 L = _____ mL
9. 0 K = _____ °C
10. 12 cm³ = _____ mL
11. 10°C = _____ K
12. 1 L = _____ cm³
13. 125 mm = _____ cm
14. 12 000 mg = _____ g

Answer the following questions in complete sentences on the lines provided.

15. Why are standards of measurement necessary?

16. How are SI units used in the United States?

17. Most of the countries in Europe use SI measurements. How could this be a problem if you went on a trip to Europe?

