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Pearson	
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in Education,	
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Type of Graph	Description	Used For
Line graph		
Bar graph		
Circle graph		
	g Data (pages 22-2	A)

- a. the Internet
- b. newspapers

Class.

Date \_

c. tables

Name

- d. graphs
- 2. The simplest way to organize data is to present them in a(n)
- 3. Circle the letter of the place on a line graph where the manipulated variable is generally plotted.
  - a. the *y*-axis

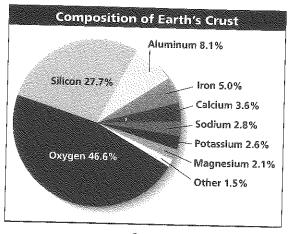
b. the rise

c. the x-axis

- d. the run
- **4.** On a line graph, the ratio of the change in the *y*-variable to the corresponding change in the *x*-variable is called the line's
- 5. Circle the letters of the relationships that are direct proportions.
  - a. distance traveled versus time at a constant speed
  - b. the mass of a substance versus its volume
  - c. the time to travel a given distance versus average speed
  - d. the number of fingers in your classroom versus the number of people

## Chapter 1 Science Skills

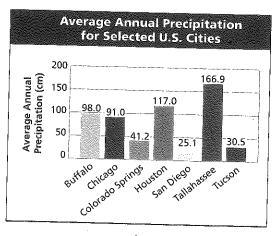
- **6.** Is the following sentence true or false? An inverse proportion is one in which the product of the two variables is constant.
- 7. Identify each data organizing tool shown below.



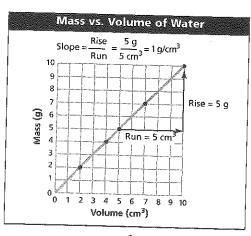
a.

Average Annu for Selecte	al Precip d U.S. Ci	itation ties
City	Average Precipitat	Annual 🥻
Buffalo, N.Y.	98.0	
Chicago, III.	91.0	
Colorado Springs, Colo.	41.2	
Houston, Tex.	117.0	
San Diego, Calif.	25.1	
Tallahassee, Fla.	166.9	
Tucson, Ariz.	30.5	

b.



c.



d.

-	•	<del></del>
C		

10

b. \_\_\_\_\_

Communicating	Data	(page	25)
			-

8. Name two ways that scientists can report results of their experiments.

a. \_\_ \_

b. \_\_\_\_\_

9. Is the following statement true or false? Scientists always interpret a given set of data the same way.

10. Why is peer review an important part of scientific research?

research?	