

Chapter 1 REVIEW

Vocabulary Review

Number your paper from 1 to 6. Match each word in Column A with the correct definition in Column B. Write the letter of the definition on your paper.

Column A

- ___ 1. gram
- ___ 2. liter
- ___ 3. mass
- ___ 4. matter
- ___ 5. meter
- ___ 6. volume

Column B

- a. anything that has mass and takes up space
- b. the amount of material an object has
- c. the basic unit of length in the metric system
- d. the amount of space an object takes up
- e. the basic unit of volume in the metric system
- f. the basic unit of mass in the metric system

WORD BANK

centimeter
chemistry
English system
gram
kilogram
liter
metric system
millimeter
physics
unit

Concept Review

Number your paper from 1 to 10. Then choose a word or words from the Word Bank that best complete each sentence. Write the answer on your paper.

1. The unit of length equal to $1/1,000$ of a meter is the _____.
2. The unit of volume equal to 1,000 cubic centimeters is the _____.
3. One _____ is equal to 1,000 grams.
4. There are 10 millimeters in one _____.
5. One cubic centimeter of water has a mass of 1 _____.
6. The system of measurement that scientists use is the _____.

7. Inches, feet, yards, and miles are all part of the _____.
8. The area of physical science that studies matter is _____.
9. The area of physical science that studies energy is _____.
10. A known amount used to measure things is a _____.

Critical Thinking

Write the answer to each of the following questions.

1. Some ancient civilizations used units of measure based on the length of certain seeds. What kind of problems might you expect with such a system?



2. Calculate the volume of the rectangular object shown in the figure.

3. For each of the following objects, tell which unit of measurement you would use.

- a. length of an ant
- b. mass of a postage stamp
- c. volume of a large jug of milk
- d. mass of a truck

4. Explain how the metric system is based on a system of tens.

Test Taking Tip

When taking a matching test, match all the items that you know go together. Cross out these items. Then try to match the items that are left.