

CHAPTER REVIEW

Chapter 4

Describing the Physical World

I. Vocabulary Review

1.	_____	_____	_____	_____	_____	_____	_____	_____
2.	_____	_____	_____	_____	_____	_____	_____	_____
3.	_____	_____	_____	_____	_____	_____	_____	_____
4.	_____	_____	_____	_____	_____	_____	_____	_____
5.	_____	_____	_____	_____	_____	_____	_____	_____
6.	_____	_____	_____	_____	_____	_____	_____	_____
7.	_____	_____	_____	_____	_____	_____	_____	_____
8.	_____	_____	_____	_____	_____	_____	_____	_____

Complete the puzzle above using the following definitions.

- | | |
|--|---|
| 1. A substance whose smallest unit is made up of more than one element. | 5. Any material made of two or more substances. |
| 2. The different substances are distributed evenly in this type of mixture. | 6. Flammability is this type of property. |
| 3. The amount of mass an object has in comparison with its volume. | 7. A chemical _____ results in a different substance. |
| 4. Anything containing only one kind of material. | 8. A substance that cannot be broken down further. |
| 9. The letters in the boxes spell out the word that completes the following sentence. Any characteristic of a material that can be measured is called a(n) _____ property. | |

II. Concept Review

If the underscored word or phrase makes the sentence true, write "TRUE" in the space provided. If the underscored word or phrase makes the sentence false, write the correct term or phrase in the space provided.

- _____ 10. Attraction is a chemical property.
- _____ 11. When you grind a stick of chalk into chalk powder, a physical change occurs.
- _____ 12. Each solid has its own freezing point.
- _____ 13. Gases have no definite shape or volume.

Answer the following questions in complete sentences.

14. If you place a drop of water on wax paper, will it look spherical, or will it spread out? Explain.

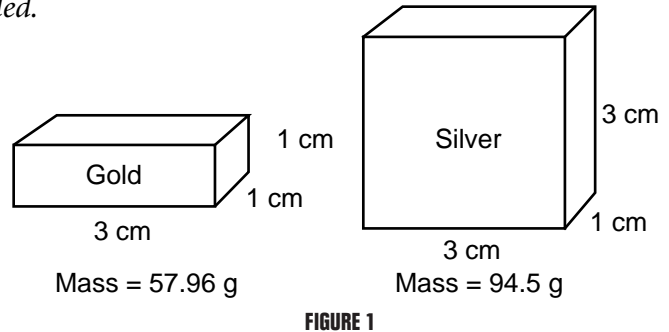
Chapter Review 4 (continued)

15. Trail mix contains raisins, walnuts, almonds, and dried apricots. Is it a heterogeneous or homogeneous mixture? Explain. _____

III. Skills/Process Review

Answer the following questions in the spaces provided.

16. Which brick in Figure 1 is more dense, gold or silver? Explain. _____



17. In the Explore! activity, you measured without a ruler. Complete Table 1 using the following nonstandard measurements:
 1 foot = 8 paper clips 1 yard = 3 egg cartons 1 inch = 2 staples

Table 1

	Standard measurement	Paper clips	Egg cartons	Staples
1 mile	5280 feet			
Joe's height	60 inches			
Football field	100 yards			

18. Complete Table 2 by placing these materials into the appropriately lettered boxes: water vapor, cotton balls, oil, carbon monoxide, broth, dry ice, oxygen, syrup, fish net.

Table 2

Solid	Liquid	Gas
a.	b.	c.
d.	e.	f.
g.	h.	i.

IV. EYV Review

19. How It Works: Taking a Spin Explain how a centrifuge works. _____
