

CHAPTER INTRODUCTION TO MATTER

1 Vocabulary

matter	molecule	solid
mass	element	liquid
weight	compound	gas
volume	mixture	
atom	states of matter	

A. WHO AM I?

Write the vocabulary word on the line that best matches each clue.

1. I'm a substance that has a fixed volume but not a fixed shape.

2. I'm a substance that results when two or more different types of atoms bond together.

3. I'm a particle made up of two or more atoms bonded together.

4. I'm a substance that has no fixed volume or shape.

5. I'm a combination of different substances that remain the same individual substances and can be separated by physical means.

6. I'm a substance that has a fixed volume and a fixed shape.

7. I'm a substance that contains only a single type of atom.

8. I'm the measure of how much matter an object contains.

9. I'm the smallest basic unit of matter.

Name _____

Period _____

Date _____

10. I'm the different forms in which matter can exist.

11. I'm the downward pull of an object due to gravity.

12. I'm anything that has mass and takes up space.

13. I'm the amount of space that matter in an object occupies.

B. WHICH ONE?

Choose the vocabulary word that matches each description and write it on the line.
Use the bolded words in the sentences as clues.

14. This can be **made of atoms** that are **different** or atoms that are **alike**.

molecule

element

state of matter

15. This **does not always contain the same percentages** of the various substances.

Element

compound

mixture

16. The particles in this **are not close to one another and can move about** easily in any direction.

molecule

solid

gas

17. The number of atoms in this is not important as long as **all of the atoms are of the same type**.

matter

mixture

element

18. This takes **on the shape of the container** it is in.

atom

liquid

solid
