

# Concept Review

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

## Section: Substances Are Made of Atoms

In the blank at the left of each word or phrase, write the letter of the expression on the right that is most closely related.

- |  |   |
|--|---|
| <p>_____ 1. atomic theory</p> <p>a. This states that a chemical compound always contains the same elements in exactly the same proportions by weight or mass.</p> <p>b. This states that atoms are the building blocks of all matter.</p> <p>c. This states that when two elements combine to form two or more compounds, the mass of one element that combines with a given mass of the other is in the ratio of small whole numbers.</p> <p>d. This states that mass cannot be created or destroyed during ordinary chemical and physical changes.</p> | <p>_____ 2. law of definite proportions</p> <p>_____ 3. law of conservation of mass</p> <p>_____ 4. law of multiple proportions</p> |
|--|---|

Answer the following in the space provided.

5. State the five principles in Dalton's atomic theory.

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_
- e. \_\_\_\_\_