Assessment)

Section Quiz

Section: Elements

Match the correct definition with the correct term. Write the letter in the space provided.



- 1. a pure substance that cannot be separated into simpler substances by physical or chemical means
- a. metal
- **b.** element



- d. nonmetal
- **e.** pure substance

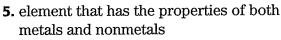


2. a sample of matter, either a single element or a single compound, that has definite chemical and physical properties

3. an element that is shiny and conducts heat and electric current



element that conducts heat and electricity poorly and can be a solid, liquid, or gas



Write the letter of the correct answer in the space provided.



- 6. Boiling point, melting point, and density are some of an element's
 - a. nonreactive properties.
 - b. physical properties.
 - c. chemical properties.
 - d. pure properties.



- **7.** A property of an element that does not depend on the amount of the element is called a
 - a. electromagnetic property.
 - **b.** finite property.
 - c. unique property.
 - d. characteristic property.



- 8. An element's ability to react with acid is an example of a
 - a. pure substance.
 - **b.** physical property.
 - c. chemical property.
 - **d.** melting point.

Name	Class	Date	

Assessment

Section Quiz

Section: Compounds

Write the letter of the correct answer in the space provided.



- 1. When two or more elements join together chemically,
 - **a.** a compound is formed.
 - **b.** a mixture is formed.
 - **c.** a substance that is the same as the elements is formed.
 - **d.** the physical properties of the substances remain the same.



- **2.** The physical properties of compounds do NOT include
 - a. melting point.
 - **b.** density.
 - c. reaction to light.
 - d. color.



- 3. Which of the following will NOT break down compounds?
 - a heat
 - **b.** electric current
 - c. a chemical change
 - d. filtering



- **4.** How do elements join to form compounds?
 - a. randomly
 - b. in a specific mass ratio
 - c. in a ratio of 1 to 8
 - **d.** as the scientist plans it



- 5. Compounds found in all living things include
 - a. proteins.
 - b. ammonia.
 - c. mercury oxides.
 - d. carbonic acids.

Assessment)

Section Quiz

Section: Mixtures

Match the correct definition with the correct term. Write the letter in the space provided.

E

_ 1. combination of two or more substances that are not chemically combined

2. homogeneous mixture of two or more substances uniformly dispersed throughout a single phase

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3. substance that dissolves in a solvent

4. substance in which a solute dissolves

5. amount of a substance in a given quantity of a mixture, solution, or ore

6. ability of one substance to dissolve in another at a given temperature and pressure

7. mixture in which particles of a material are more or less evenly dispersed throughout a liquid or gas



8. mixture consisting of tiny particles that are intermediate in size between those in solutions and those in suspensions



9. process that separates a mixture based on the boiling points of the components



10. machine that separates mixtures by the densities of the components

- a. centrifuge
- **b.** solute
- c. solvent
- d. colloid
- e. mixture
- f. suspension
- g. distillation
- h. solution
- i. concentration
- j. solubility