

Assessment

Section Quiz**Section: Elements**

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

- | | | |
|----------|---|-------------------|
| <u>B</u> | 1. a pure substance that cannot be separated into simpler substances by physical or chemical means | a. metal |
| <u>E</u> | 2. a sample of matter, either a single element or a single compound, that has definite chemical and physical properties | b. element |
| <u>A</u> | 3. an element that is shiny and conducts heat and electric current | c. metalloid |
| <u>D</u> | 4. element that conducts heat and electricity poorly and can be a solid, liquid, or gas | d. nonmetal |
| <u>C</u> | 5. element that has the properties of both metals and nonmetals | e. pure substance |

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

- | | | |
|----------|---|------------------------------|
| <u>B</u> | 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. |
| <u>D</u> | 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. |
| <u>C</u> | 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. |

Assessment

Section Quiz**Section: Compounds**

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

A

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.

C

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

D

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

B

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

A

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.

- | | | |
|----------|---|------------------|
| <u>E</u> | 1. combination of two or more substances that are not chemically combined | a. centrifuge |
| <u>H</u> | 2. homogeneous mixture of two or more substances uniformly dispersed throughout a single phase | b. solute |
| <u>B</u> | 3. substance that dissolves in a solvent | c. solvent |
| <u>C</u> | 4. substance in which a solute dissolves | d. colloid |
| <u>I</u> | 5. amount of a substance in a given quantity of a mixture, solution, or ore | e. mixture |
| <u>J</u> | 6. ability of one substance to dissolve in another at a given temperature and pressure | f. suspension |
| <u>F</u> | 7. mixture in which particles of a material are more or less evenly dispersed throughout a liquid or gas | g. distillation |
| <u>D</u> | 8. mixture consisting of tiny particles that are intermediate in size between those in solutions and those in suspensions | h. solution |
| <u>G</u> | 9. process that separates a mixture based on the boiling points of the components | i. concentration |
| <u>A</u> | 10. machine that separates mixtures by the densities of the components | j. solubility |