

Assessment

Matter and Change

Section Quiz: Matter and Its Properties

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

- _____ 1. Mass is a measurement of
- how much space an object occupies.
 - how dense an object is.
 - the amount of matter in an object.
 - the volume of an object.
- _____ 2. The fundamental building block of matter is the
- atom.
 - molecule.
 - cell.
 - proton.
- _____ 3. An element is made of one type of
- molecule.
 - atom.
 - compound.
 - mixture.
- _____ 4. A compound is
- a substance that is composed of two or more elements that are chemically bonded.
 - a molecule formed by atoms of the same element.
 - another word for an atom.
 - any substance that can be split apart.
- _____ 5. Extensive properties
- include boiling point.
 - do not depend on the amount of matter present.
 - include volume and mass.
 - all depend on the chemical composition of the matter present.

Section Quiz *continued*

- _____ 6. Which of the following is an intensive property of matter?
- a. volume
 - b. mass
 - c. energy content
 - d. density
- _____ 7. A change in a substance that does not involve a change in the identity of the substance is called a(n)
- a. chemical change.
 - b. physical change.
 - c. extensive property.
 - d. intensive property.
- _____ 8. In every chemical change, two or more reactants form at least one
- a. product.
 - b. gas.
 - c. precipitate.
 - d. reaction.
- _____ 9. Which is *not* true about the liquid state of matter?
- a. The liquid state has a definite volume and a definite shape.
 - b. The liquid state takes on the shape of its container.
 - c. The liquid state has a definite volume and an indefinite shape.
 - d. The particles in a liquid can easily move past each other.
- _____ 10. If a mixture is uniform in composition, it is considered to be
- a. heterogeneous.
 - b. molecular.
 - c. homogeneous.
 - d. elemental.