

Section Quiz

Section: Four States of Matter

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

- _____ 1. Which of the following statements is NOT true of atoms and molecules?
- a. They are tiny particles.
 - b. They are always in motion.
 - c. They are found in all matter.
 - d. They never bump into each other.
- _____ 2. In a solid, the particles
- a. overcome the strong attraction between them.
 - b. vibrate in place.
 - c. slide past one another.
 - d. move independently of one another.
- _____ 3. A gas
- a. has a definite volume but no definite shape.
 - b. has a definite shape but no definite volume.
 - c. has fast-moving particles.
 - d. has particles that are always close together.

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

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| _____ 4. consists of free-moving ions and electrons | a. states of matter |
| _____ 5. does not have a definite volume or shape, and does not conduct electricity | b. solid |
| _____ 6. includes the physical forms of matter | c. liquid |
| _____ 7. has a fixed volume and shape | d. gas |
| _____ 8. has a definite volume but not a definite shape | e. plasma |

Section Quiz

Section: Changes of State

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

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| _____ 1. the change of state from a solid to a liquid | a. change of state |
| _____ 2. the change of a substance from one physical form to another | b. melting |
| _____ 3. the change of state from a solid directly to a gas | c. evaporation |
| _____ 4. the change of state from a liquid to a gas | d. boiling |
| _____ 5. the change of a liquid to a vapor throughout the liquid | e. condensation |
| _____ 6. the change of state from a gas to a liquid | f. sublimation |
| _____ 7. the temperature at which a substance melts | g. freezing |
| _____ 8. the change of state from a liquid to a solid | h. melting point |
| _____ 9. the temperature at which a substance boils | i. boiling point |