

Changes in Matter

Write the letter of the correct answer on the line at the left.

- _____ 1. The measure of the average energy of motion of the particles in a substance is
 - a. temperature.
 - b. chemical energy.
 - c. pressure.
 - d. viscosity.
- _____ 2. A liquid has a
 - a. constant temperature.
 - b. definite shape.
 - c. crystal structure.
 - d. definite volume.
- _____ 3. The change from a gas to a liquid is called
 - a. evaporation.
 - b. condensation.
 - c. melting.
 - d. sublimation.
- _____ 4. Which of the following is NOT a characteristic of crystalline solids?
 - a. particles arranged in repeating patterns
 - b. becomes softer and softer as temperature rises
 - c. made up of crystals
 - d. has a distinct melting point
- _____ 5. Boyle's law states that as the pressure of a gas increases, its
 - a. volume increases.
 - b. temperature increases.
 - c. volume decreases.
 - d. temperature decreases.
- _____ 6. Which of the following is NOT an example of vaporization?
 - a. dry air gains water as it moves over the ocean
 - b. bubbles form as water boils
 - c. wet pavement dries after a rain shower
 - d. water droplets form on a mirror
- _____ 7. A substance that takes the shape and volume of its container is a
 - a. solid.
 - b. liquid.
 - c. gas.
 - d. crystal.
- _____ 8. Which of the following is an example of an amorphous solid?
 - a. ice
 - b. diamond
 - c. moth flakes
 - d. chocolate

(paradichlorobenzene)