

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)