

# 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  
(paradicholorabenzene)