

## Practice Final B

### Multiple Choice

Identify the choice that best completes the statement or answers the question.

1. Why are peer reviews important?
  - a. Scientists receive questions and criticism from their peers.
  - b. Data are checked for accuracy.
  - c. Scientists receive comments and suggestions from other scientists.
  - d. All of the above
2. What physical properties of nylon and leather make them good materials to use for shoelaces?
  - a. high density and low conductivity
  - b. durability and flexibility
  - c. hardness and durability
  - d. low viscosity and flexibility
3. Collisions of helium atoms with the walls of a closed container cause
  - a. condensation.
  - b. gas pressure.
  - c. a decrease in volume.
  - d. an overall loss of energy.
4. The phase change in which a substance changes from a liquid to a gas is
  - a. deposition.
  - b. sublimation.
  - c. condensation.
  - d. vaporization.
5. What can you assume has happened if an electron moves to a higher energy level?
  - a. The atom has become more stable.
  - b. The electron has lost energy.
  - c. The electron has gained energy.
  - d. The atom has lost an electron.
6. Which list of elements contains only metals?
  - a. carbon, iodine, tin
  - b. tin, copper, cesium
  - c. helium, iron, copper
  - d. iodine, carbon, argon
7. Which statement best describes the properties of sodium chloride?
  - a. Sodium chloride is a malleable solid.
  - b. Solid sodium chloride is a good conductor of electric current.
  - c. Sodium chloride has a low melting point.
  - d. Liquid sodium chloride is a good conductor of electric current.
8. Which of the following compounds does NOT contain molecules?