

1. True or False: Compounds have fixed compositions.
2. What is an atom?
3. Which of the following units is a unit of mass?
  - a. mL
  - b. °C
  - c. g
  - d. cm
4. Volume is
  - a. the straight-line distance between two points.
  - b. the quantity of matter in an object.
  - c. the amount of space taken up by an object.
  - d. a representation of an object or event.

## ANSWERS

1. True
2. An atom is the smallest particle of an element.
3. c
4. c

5. What is density?
6. Which two of the following events can take place when a liquid absorbs energy?
  - a. The average kinetic energy of the particles in the liquid increases.
  - b. The temperature decreases.
  - c. The liquid freezes.
  - d. The liquid changes to a gas.

## ANSWERS

5. Density is the ratio of the mass of a substance to its volume.
6. a and d