

2nd Nine Week Lifesaver study guide

Multiple Choice

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

- ____ 1. A solid is a state of matter that has a(n)
 - a. indefinite volume and an indefinite shape.
 - b. definite volume and a definite shape.
- ____ 2. Which state of matter undergoes changes in volume most easily?
 - a. solid
 - b. gas
- ____ 3. In which state of matter are particles packed tightly together in fixed positions?
 - a. gas
 - b. solid
- ____ 4. Particles of a liquid
 - a. have no viscosity.
 - b. are free to move within a container but remain in close contact with one another.
- ____ 5. In which state of matter do the particles spread apart and fill all the space available to them?
 - a. crystal
 - b. gas
- ____ 6. Which term describes a liquid changing into a solid?
 - a. freezing
 - b. melting
- ____ 7. Which process involves a gas changing into a liquid?
 - a. condensation
 - b. freezing
- ____ 8. In which state of matter would a substance have the least thermal energy?
 - a. solid
 - b. liquid
- ____ 9. Which of these particles has a positive charge?
 - a. atom
 - b. proton
- ____ 10. Very energetic particles that move in all directions around the nucleus of an atom are
 - a. charges.
 - b. electrons.
- ____ 11. Electrons involved in bonding between atoms are
 - a. valence electrons.
 - b. inside the nucleus.