

States of Matter Quiz

Chemistry · Answer Key · 10 Questions

1. What are the three common states of matter?

- A) Solid, Liquid, Gas**
- B) Earth, Fire, Water
- C) Plasma, Bose-Einstein Condensate, Fermionic Condensate
- D) Metal, Nonmetal, Metalloid

2. Which state of matter has a definite shape and volume?

- A) Solid**
- B) Liquid
- C) Gas
- D) Plasma

3. Which state of matter takes the shape of its container and has a definite volume?

- A) Liquid**
- B) Gas
- C) Solid
- D) Plasma

4. Which state of matter takes the shape and volume of its container?

- A) Gas**
- B) Solid
- C) Liquid
- D) Plasma

5. What is the process of a solid changing directly into a gas called?

- A) Sublimation**
- B) Melting
- C) Evaporation
- D) Condensation

6. What is the process of a liquid changing into a gas called?

- A) Evaporation**
- B) Freezing
- C) Sublimation
- D) Condensation

7. What is the process of a gas changing into a liquid called?

A) Condensation

- B) Melting
- C) Sublimation
- D) Freezing

8. What is the process of a liquid changing into a solid called?

A) Freezing

- B) Evaporation
- C) Sublimation
- D) Condensation

9. What is the process of a solid changing into a liquid called?

A) Melting

- B) Boiling
- C) Sublimation
- D) Condensation

10. Water changing to ice is an example of what process?

A) Freezing

- B) Melting
- C) Boiling
- D) Evaporation