

# Chemistry



9th Class

Sindh Board Notes

Chapter # 6

States of Matter



Solved MCQs

پنجاب، سندھ، بلوچستان، خیبر پختونخواہ، بورڈز کے تمام نوٹس سابقہ پیپرز، اس ویب سائٹ سے فری ڈاؤن لوڈ کریں۔

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## → STATES OF MATTER

- The number of common states of matter is:**
  - 5
  - 4
  - ✓ 3
  - None of them
- Neither definite shape nor volume is the property of.**
  - Solid
  - ✓ Gas
  - Liquid
  - None of them
- The temperature at which the vapour pressure of a liquid becomes equal to its external pressure is called.**
  - Melting point
  - ✓ Boiling point
  - Triple point
  - Freezing point
- The state of matter in which molecules are tightly packed and possess only transition motion is.**
  - Gaseous state
  - ✓ Solid state
  - Liquid state
  - None of them
- The process in which molecules escape from the surface of liquid is called.**
  - Sublimation
  - ✓ Evaporation
  - Boiling
  - Melting
- The process in which solid directly changes to gas is called.**
  - Evaporation
  - Melting
  - ✓ Sublimation
  - None of them
- Definite volume but no definite shape is the property of:**
  - solid
  - ✓ liquid
  - gas
  - none of them
- Change of state from solid to liquid is called:**
  - vapourization
  - condensation
  - ✓ fusion
  - none of them



9. The temperature at which solid starts melting is called:
- boiling point
  - freezing point
  - ✓ melting point
  - none of them
10. The molecules neither slip nor slide over one another:
- gases
  - ✓ solid
  - liquid
  - none of them
11. The state of matter which has fixed volume due to intermolecular forces is:
- solid
  - ✓ liquid
  - gas
  - none of them
12. They have a fixed shape and a fixed volume
- ✓ Solids
  - Liquids
  - Gases
  - None of these
13. They have no fixed shape and no fixed volume:
- Solids
  - Liquids
  - ✓ Gases
  - None of these
14. The kinetic energy of molecules increases on:
- ✓ Heating
  - Cooling
  - Subliming
  - Condensing
15. If a solid directly changes from solid to gaseous state, without changing into liquid first, the process is called
- Condensation
  - Sublimation
  - Evaporation
  - ✓ Distillation
16. The temperature at which the vapour pressure of a liquid becomes equal to the external or atmospheric pressure is called its:
- Melting point
  - Cooling point
  - Evaporation point
  - ✓ Boiling point
17. The fast continuous and zigzag movement of suspended particles in a medium is called:
- Variable movement
  - Constant movement
  - Uniform movement
  - ✓ Brownian movement
18. Which molecules have least kinetic energy?
- Liquids
  - Gases
  - ✓ Solids
  - Colloids

19. Cohesive forces are weakest among the molecules of:
- a. Liquids
  - b. ✓ Gases
  - c. Solids
  - d. Colloids
20. On heating evaporation:
- a. ✓ Increases
  - b. Decreases
  - c. Remains the same
  - d. Stops
21. Which energy increases when solids are heated?
- a. Potential
  - b. ✓ Kinetic
  - c. Nuclear
  - d. Tidal
22. The movement of molecules from a region of higher concentration to lower concentration is called:
- a. ✓ Diffusion
  - b. Hydrolysis
  - c. Evaporation
  - d. Condensation
23. The process of diffusion is very fast in:
- a. Solids
  - b. Liquids
  - c. ✓ Gases
  - d. Colloids
24. The number of common states of matter is:
- a. 5
  - b. 4
  - c. ✓ 3
  - d. None of them
25. Neither definite shape nor volume is the property of:
- a. Solid
  - b. ✓ Gas
  - c. Liquid
  - d. None of them
26. The process in which molecules escape from the surface of liquid is called:
- a. Evaporation
  - b. ✓ Melting
  - c. Sublimation
  - d. None of them

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FOR MORE NOTES, MCQS, ONLINE QUIZZES



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## 9th Class

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