

CLASS – IX - CHEMISTRY

- 1 Explain depression in Freezing Point?
- 2 What is the effect of addition of impurities on freezing point and boiling point of a substance?
- 3 Explain colligative properties.
- 4 Explain elevation in boiling Point.
5. Why do solids have definite number of free surfaces and Gases have no free surface at all.
6. Differentiate between
 - Liquefaction and Condensation
 - Evaporation and Vaporization.
7. When a glass of water is freezeed, formation of ice starts from the top layer but melting of ice starts from bottom. Justify.
- 8 The Melting Point of a non-sublimable solid is 100°C . What do you observe when a Solid is taken in a test tube and then placed in boiling water?
9. Explain vapour pressure. What are the factors affecting vapour Pressure?
10. How is Pressure of gas related to density at a Particular temperature?
11. Why are vegetables cooked with difficulty at hill station?
12. Explain the working principle of Pressure Cooker.
13. Why water boils at a lower temperature than 100°C at higher altitudes?
14. What do you mean by S.T.P and N.T.P? On what factor does it depend?

15. What do you mean by Absolute zero?
16. Why are tyres of automobiles inflated to lesser pressure in summer than in winter?
17. Liquid ammonia bottle is cooled before opening the seal. Explain.
18. Why are aerated water bottles kept under water during summer?
19. Carbon dioxide gas is heavier than both Nitrogen and Oxygen. Why does not it form lower layer in the atmosphere?
20. What do you understand by Plasma State and BEC?