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CLASS – IX : CHEMISTRY

1. What do you mean by Adhesive Force and Cohesive Force ?
2. Differentiate between Amorphous Solids and Crystalline Solids?
3. Why Glass is considered a Supercooled Liquid ?
4. What makes a glass different from a Solid such as Quartz ? Under What Condition could Quartz be converted into glass ?
5. What are Molecular Solids ? What are Polar and Non-Polar Molecules ?
6. What are Ionic Solids ? What is the Co-Ordination Number of Na⁺ in NaCl? Why Ionic Solids are hard and brittle ?
7. Why Covalent Solids are also called as Network Solids ?
8. Ionic Solids conduct electricity in molten state but not in Solid State . Explain .
9. Classify the following based on the nature of intermolecular forces – Urea , Ammonia , Water , Zinc sulphide , Graphite , rubidium , argon ,silicon carbide.
10. What do you mean by Two dimensional Crystal Lattice and their unit cells?
11. What do you mean by Three dimensional Crystal Lattice and their unit cells?
12. What is Principle of Regelation?
13. Why Water boils at a lower temperature than 100° C at higher altitudes ?
14. What do you mean by Critical Temperature and Critical Presssure . How does it affect the liquefaction of Gas ?
15. What do you mean by dew point? Explain formation of Fog , Dew , and Cloud in brief.