

Sample Paper - 2014 Class - IX Subject - Science (Chemistry)

MM - 50 Time - 1 hrs

1. Define Density? What do you mean by the term Volume?

- 2. Define the term Volatile Liquid.
- 3. Why do gases diffuse rapidly?
- 4. Why is light not considered matter?
- 5. Why do diffusion become faster at higher temperatures?
- 6. Why we wear cotton clothes in summer?
- 7. After rains when do rain drops dry away easily— on a cloudy day or on a sunny day? State reason also.
- 8. A diver is able to cut through water in a swimming pool. Which property of matter does this observation show?
- 9. Our own bodies contain examples of all three states of matter. Can you identify these?
- 10. Define Latent Heat of Fusion and Latent Heat of vaporisation.
- 11. What is a dry ice and what are its properties?
- 12. Give reasons for the following observations. The smell of hot sizzling food reaches you several meters away, but to get smell from cold food you have to go close.
- 13. What is SI unit of temperature? Give mathematical relation also. And convert the following temperature to Celsius scale: (a) 300 K (b) 573 K
- 14. Explain evaporation and its cooling effect in terms of kinetic energy of particles.
- 15. What are the differences between boiling and evaporation?
- 16.I) What do you mean by change in state? Ii)How can matter change its state. Write three?
- 17. What factors affect the rate of evaporation?
- 18.Define the following terms: a. Melting point b. Freezing point c. Boiling point
- 19.I) Define boiling. Ii) Why boiling is considered as bulk phenomenon? Iii) How vapour is different from gases? Give examples of each.
- 20. Write ten Differences among solids, liquids and gases.

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