

## Ch-1 Matter in Our Surroundings

1. Camphor disappears without leaving any residue. Explain?
2. Why do we feel cool when we touch a piece of ice?
3. What is latent heat of fusion?
4. Define latent heat of vaporization.
5. How can you show that evaporation causes cooling?
6. How can you justify that table is a solid?
7. Arrange the following in decreasing order of force of attraction – Water, Salt, Oxygen, and give reasons.
8. What are the characteristics of matter?
9. The smell of hot sizzling food reaches you several meters away, but to smell the cold food you have to go close. Why?
10. After rains, on what kind of day would the rain drops dry away easily – a sunny day or a cloudy day? Give reasons.
11. Why do we see water droplets collected on the outer surface of a glass container, containing ice?
12. Explain why solids have fixed shape but liquids and gases do not have fixed shape.
13. Why is it advisable to use pressure cooker at higher altitudes?
14. What are fluids?
15. Why is water liquid at room temperature?
16. Cotton is solid but it floats on water. Why?
17. Why are solids generally denser than liquids and gases?
18. How is the high compressibility property of gas useful to us?
19. With the help of an example, explain how diffusion of gases in water is essential?
20. On a hot sunny day, why do people sprinkle water on the roof or open ground?
21. Why do people sweat a lot on a hot humid day?
22. A balloon when kept in sun, bursts after some time. Why?
23. Pressure and temperature determine the state of a substance. Explain this in detail.
24. Explain giving examples the various factors on which rate of evaporation depends.