

[MATTER IN OUR SURROUNDING] CHEMISTRY WORKSHEET-1

CLASS - IX Science (CHAPTER-1)

Time- 60 Minutes

MM- 30

1. Camphor disappears without leaving any residue. Explain? (1)
2. Why do we feel cool when we touch a piece of ice ? (1)
3. What is Latent Heat of Fusion? How much heat is required to change 20kg of ice at 0 deg to change into water ? (2)
4. Define latent heat of Vaporization? Which one of the following gives more burning effect : 373K water or 100 deg ice and why ? (2)
5. How can you show that evaporation causes cooling? Mention two such applications. (3)
6. How can you justify that table is a solid? (2)
7. Arrange the following in decreasing order of force of attraction: Water, Salt, Oxygen, and give reasons. (2)
8. Why we are being advised to wear cotton clothes during summer where synthetic clothes during winter ? (3)
9. The smell of hot sizzling food reaches you several meters away, but to smell the cold food you have to go close. Why? (2)
10. After rains, the rain drops dry away easily on a sunny day or on a cloudy day? Give reasons. (2)
11. How can you determine the purity of a substance ? How impurities affect the melting point of ice ? (2)
12. Write any three major precautions which should be taken during determination of boiling point of vaporization of water with reasons. (3)
13. State four factors which affect the rate of evaporation and explain how do they affect the rate and answer the following :
a) It is very difficult to dry wet clothes in rainy.
b) We feel uneasy during hot humid day. (5)