

CLASS: IX

CHEMISTRY

## ASSIGNMENT NO: 1

MATTER IN OUR SURROUNDING

MONTH: JULY – 2010

1. What is matter? What are the physical states of matter?
2. With the help of an activity, show particulate nature of matter.
3. What are characteristics of particles of matter?
4. What is diffusion? Give an example.
5. Write any five characteristics of solids, liquids and gases.
6. Why can we smell hot food from a distance?
7. Why does a solid change into liquid on heating?
8. Define latent heat of fusion.
9. Give reason – A gas fills completely the vessel in which it is kept.
10. Why a wooden table should be called solid?
11. Why more serious burns are caused by steam at  $100^{\circ}\text{C}$  than water at same temperature?
12. Why can a sponge be compressed though it is a solid?
13. Carry out following conversion (a)  $50^{\circ}\text{C}$  to Kelvin (b) 200 k to Celsius.
14. Name the conditions to liquefy a gas.
15. Why are clothes spread out for drying?
16. What kind of clothes is most suitable for summers? Why?
17. What is sublimation? Explain with help of an activity and a diagram.
18. Washed clothes dry up more quickly on a hot summer day than on a rainy day. Why?
19. What is the difference between evaporation and boiling?
20. Define latent heat of vaporization.
21. Wearing synthetic clothes in summers is usually avoided. Why?
22. How does water get cooled in an earthen pot?
23. What is dry ice?
24. Name the factors affecting evaporation.
25. How does evaporation cause cooling? Explain with example.
26. How can physical state of matter be changed?