

Class-9

Subject-Chemistry

Topic-Is matter around us pure

Date of submission-8th May 2017

1. What are mixtures? Give examples.
2. What are pure substances?
3. Why do we call sugar a pure substance?
4. What are saturated and unsaturated solutions?
5. Define a solution.
6. What is a suspension? Give its example and properties.
7. Define concentration of a solution.
8. What is Tyndall effect?
9. What is the difference between True solution and colloids?
10. What are alloys? Why are alloys called as mixture?
11. Write the characteristics of brass.
12. Define solute and solvent.
13. What is solubility?
14. Give properties of a true solution.
15. Why do we need to separate mixtures?
16. How can we separate cream from milk?
17. Write the applications of centrifugation.
18. How can we separate a mixture of salt and ammonium chloride? Draw a diagram.
19. What is chromatography? Explain the process.
20. How can you separate copper sulphate from an impure sample?
21. What types of mixture are separated by fractional distillation process? Draw a diagram.
22. Draw a diagram to explain the process of separating acetone and water.
23. Explain with the diagram the method of separating kerosene oil from water by using a separating funnel.
24. How much water should be added to 15 g of salt to obtain 15% salt solution?
25. A solution contains 5.6 ml of alcohol mixed with 76 ml of water. Calculate the concentration of the solution.