

## Ch-2 Is Matter Around Us Pure?

1. Which process can purify the impure sample of potash alum?
2. What is Tyndall effect. Name the solutions which show the Tyndall effects.
3. What is centrifugation? Explain briefly with its application.
4. Name some homogenous as well as heterogeneous mixtures.
5. What are the differences between a physical change and a chemical change?
6. What is the procedure to obtain different gases from air?
7. How is fog different from smoke?
8. Calculate the concentration of 45 g salt present in 500 g of solution.
9. A girl is given naphthalene balls powder and common salt. Help her by explaining how to separate the mixture.
10. What is a tincture of iodine?
11. What is 'concentration of a solution'?
12. State the principle for separation of immiscible liquids?
13. Why a mixture is an impure substance?
14. Define aerosol.
15. What is meant by solubility of a solute?
16. How to differentiate between sol, solution and suspension?
17. What is meant by chromatography?
18. Define emulsion with example.
19. How to separate ammonium chloride+ sodium chloride. Explain briefly.
20. What is water called a universal solution?
21. Give the differences between true solution, colloidal solution and suspension?
22. Draw a flow diagram to show the water purification system in water works.
23. How can you prove that water is a compound?
24. How can we convert saturated solution into unsaturated by heating?
25. Show the different types of colloids with examples.