

IS matter around us pure SCI-9

1. What is pure substance? Explain with examples.
2. What is mixture? Why sugar is considered as a substance?
3. Differentiate between homogeneous and heterogeneous mixtures? explain with the help of example.
4. What are solution? Give example of each of solid liquid and gaseous solutions.
5. Differentiate between solvent and solute. list 4 properties of solution.
6. Differentiate between saturated and unsaturated solution.
7. How would you calculate concentration of a solution.
8. Differentiate between suspension and colloidal.
9. List main properties with example of aerosol, foam, sol, emulsion, gel, and solid sol.
10. What do you understand by dispersed phase?
11. To make a saturated solution 36gm of sodium chloride is dissolved in 100gm of water at 293k find its concentration?
12. What is a tyndall effect? and which solution will show the effect of tyndall and why?
13. Classify them as a homogeneous and heterogeneous mixture—soda water, wood, air, soil, vinegar, filtered tea.
14. Classify them as element, compound, and mixture—sodium, soil, sugar solution, silver, tin, silicon.