

CHMISTRY WORKSHEET
CHAPTER-2 (IS MATTER AROUND US PURE)

VERY SHORT ANSWERS QUESTIONS:-

1. Milk is a colloidal solution in which ----- is the dispersed phase and ----- is the dispersion medium.
2. Classify each of the following as a solution , suspension and colloidal solution
 - (a) a mixture that setteles rapidly upon standing.
 - (b) a mixture whose particles pass through filter pater but not through semipermeable membrane.
3. Is hydrochloric acid a mixture or a compound ? Explain.
4. How will you obtain sodium chloride from a mixture of sodium chloride and sand?
5. Write the expression for calculating the concentration of a solution.

SHORT ANSWERS QUESTIONS:-

6. What is the function of fractionating column in fractional distillation ? Explain. **(Ans:- to increase the cooling surface area and to provide hurdles to the ascending vapours and descending liquid. As a result liquid with high boilin point is condensend and liquid with low boiling point moves up and collected in separate container.)**
7. 15 g of common salt are dissolved in water. the solution was found to weigh 115g. Calculate the mass percentage of sodium chloride in the solution.
8. Write the dispersed phase and dispersion medium in the following colloids;-
Fog , Jelly , Gelatin , Face cream, Milk of magnesia
9. Wtite the differences between compound and mixtures (Write any three)
10. What is Tyndall effect? Which types of solutions show this phenomenon?

LONG ANSWER QUESTION:-

11. How can you separate the components of a mixture containing sublime and non sublime substance? Explain by taking an example and by drawing experimental set up.