KALPAVRUKSHA MODEL SCHOOL

ONLINE CLASS ASSIGNMENT

Class: VI **Sub: Chemistry** **Date:10.06.2021**

Topic: Separation of substance - Part-4

Commented [1]: Approved

I. Answer the following questions:

1) Define sediment.

Ans : The solid particles that settle down during sedimentation are called sediment.

2) Define filtration. Give two examples.

Ans : The process by which two substances are separated by passing the mixture through a filtering device is called filtration.

Example : Coffee filter, Sand filtration, water filtration.

3) Define evaporation. Give two examples.

Ans : The process in which a liquid changes into a gas is called evaporation. Ex : Drying of cloths in the sun, The melting of an ice-cube

4) Define sedimentation and decantation.

Sedimentation : The process of separating insoluble solids, suspended in a liquid by allowing them to settle down is called sedimentation.

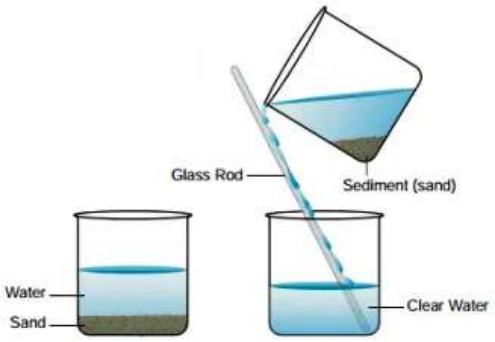
Decantation : The process of pouring out the clear upper liquid without disturbing the sediments is called decantation.

5) Write the difference between sedimentation and decantation.

Sedimentation	Decantation
The process of separating insoluble solids, suspended in a liquid by allowing them to settle down is called sedimentation.	The process of pouring out the clear upper liquid without disturbing the sediments is called decantation.
It involves two phases of matter sediment in the solid phase and fluid in the liquid phase.	It involves either one phases or two phases of matter. Liquid-liquid mixtures or solid-liquid mixture

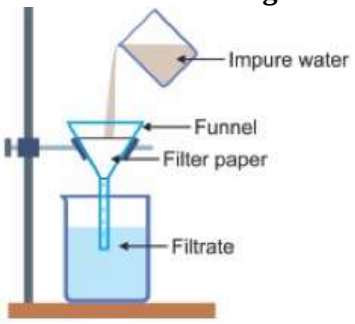
6) Draw a neat labelled diagram of the sedimentation process and decantation process.

Ans :



7) Draw a neat labelled diagram of filtration.

Ans :



8) What is the use of decantation?

Ans : Decantation is used to separate insoluble solids from liquids. Two immiscible liquids are also separated by this process.

9) Name the process to obtain salt from seawater.

Ans : To obtain salt from seawater by the process of evaporation.