



Chapter-Separation of Substances

Class VI	Worksheet 1	Subject: Science

Common salt can be separated from sea water by	
	Ī

2.	The	process	of	pouring	g out	the	clear	upper	liquid	without	disturbing	the	sediments	is	calle	ed

3. The mixture of solute and solvent is called	

4. Insoluble impurities in water can be removed by
--

5. The process of separating solid by hand is	5. T	The process	of separating	solid by hand i	S
---	------	-------------	---------------	-----------------	---

II. MATCH THE FOLLOWING

I.FILL IN THE BLANKS

	Column A	1	Column B
1.	Crystallisation	a.	High speed rotation
2.	Distillation	b.	Particles are allowed to settle down slowly
3.	Evaporation	c.	Saturated solution is cooled
4.	Centrifugation	d.	The liquid evaporates
5.	Sedimentation	e.	Involves condensing the vapour
6.	Loading	f.	Weighing down of solid particles by using alum

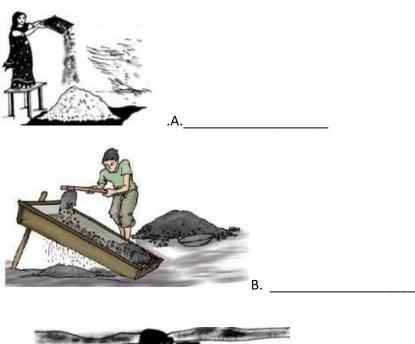
III.NAME THE FOLLOWING

- 1. The process in which gas changes into liquid.
- 2.A solution which cannot dissolve any more solute at a given temperature.
- 3.A metal plate with holes, used for separating solid particles of different size.
- 4. The process of increasing the rate of sedimentation in a suspension by adding chemicals.

IV.ANSWER THE FOLLOWING QUESTIONS

- 1. Take 3 glasses of water. Add two teaspoon sugar in first glass, four tea spoon sugar in second glass, six tea spoon sugar in third glass. Which one is most saturated: A) First glass B) Second glass. C) Third glass
- 2. To separate dust and soil particles from rice, water is added. Then the vessel is tilted to pour out the dirty water. This is an example of ______.

V.Identify the different methods of separation





Chapter-Separation of Substances

Class VI	Worksheet 2.	Subject: Science
I.Multiple Choice Question	on	
1.Husk is separated from a. winnowing. b. H	_	d. None of the above
a. Quantity of Sugar.	properties can affect disso b. Temperature. d. Amount of sugar disso	
(iii) Rice flakes and corn. Which of these can be se	k peas. (ii) Pulses an	rafers and biscuits winnowing?
4. A solution is said to be a. Saturated. b. Unsatu		ve more of the substance in it. us. d. Heterogeneous
small pores	n small pores will allow on ok the pebbles y	n be separated by using the sieve with ly small cement particles to pass
II .FILL IN THE BLANKS	<u>5.</u>	
2. You can separate a mixt3. Fine sand can be separa4. Separation of component	an separate tea leaves from cure of dry kidney beans(ra ted from coarse gravels by that is done to obtain a awater by the process of _	ajma) & dry lentils bySubstance.
III.TRUE OR FALSE:		
1.Winnowing is generally	done with the help of wa	iter.

- 2.A mixture of milk & water can be separated by decantation.
- 3. Rock salt is an impure substance.
- 4. The process used to separate cream from curd is centrifugation.
- 5. Filtration is used to separate salt and water.

IV.GIVE ONE EXAMPLE OF ITEMS/MIXTURE THAT CAN BE SEPARATED BY EACH OF THE FOLLOWING METHODS:

- 1.Filtration
- 2.Decantation
- 3.Sieving
- 4.Condensation
- 5. Winnowing