Name: _____ Date: _____

Separation of Substances

Q1. How can we convert a saturated solution into an unsaturated solution?

Ans. _____

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Q2. How do we get salt from sea water?

Ans. _____

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_____

Q3. Differentiate between homogeneous and heterogeneous mixtures? Give an example of each.

Ans.

Homogeneous mixture	**Heterogeneous mixture**
1.	1.
2.	2.
3.	3.
4.	4.

Separation of Substances

Q1. How can we convert a saturated solution into an unsaturated solution?

Ans. We can convert a saturated solution into an unsaturated solution in the following ways:-

- by heating the solution
- by adding more solvent to the solution

Q2. How do we get salt from sea water?

Ans. The salt can be obtained from sea by the process of evaporation.

Sea water is collected in shallow pits and heat of the sun slowly turns water into water vapor and in few days through evaporation, the water evaporates completely leaving behind solid common salt.

Q3. Differentiate between homogeneous and heterogeneous mixtures? Give an example of each.

Ans.

Homogeneous mixture	**Heterogeneous mixture**
1. 'homo' means same	1. 'hetero' means different
2. It has uniform composition	2. It has non uniform composition
3. It can't be separated physically	3. It can be separated physically
4. Examples of homogeneous mixtures are: salt in water, sugar in water.	4. Examples of heterogeneous mixtures are: water and sand, oil and water.