

# Science Worksheet

## Separation of Substances Class VI

1. Write one word for the following:

- Separation of fine particles of insoluble solid from a liquid
- The process by which vapour of any liquid is converted into liquid by cooling
- Method to obtain common salt from sea water
- The maximum mass of solute that can be dissolved in 100gms of solvent
- A solution in which no more solute can be dissolved-

2. Match the columns

- |                                  |                                       |
|----------------------------------|---------------------------------------|
| a. Pond Water                    | 1. Mixture                            |
| b. Impure substance              | 2. Separating grain from husk and hay |
| c. Winnowing                     | 3. Aerated drinks                     |
| d. Aqueous solution              | 4. Decreases with rise in temperature |
| e. Solubility of gasses in water | 5. Heterogeneous mixture              |

3. Identify the process of separation shown below and label the diagram.



4. Define centrifugation. Name the key applications of centrifugation.

5. Distinguish between-

- Solvent and solute
- Sediment and residue
- Winnowing and sieving