

Class VI CHEMISTRY WORKSHEET III

Ch.5 Separation of substances

Q1. Tick (✓) the correct option:

- i. Which of the following processes does not belong to cleaning process of food?
(a) Winnowing (b) Sieving (c) Ploughing (d) Filtration
- ii. The process of settling down of insoluble particles is called:
(a) Decantation (b) Evaporation (c) Distillation (d) Sedimentation
- iii. The solid left on the filter paper after filtration is called:
(a) Residue (b) Mixture (c) Filtrate (d) Pure substance
- iv. A mixture of wheat and husk can be separated by:
(a) Sieving (b) Winnowing (c) Threshing (d) Hand picking
- v. The property used in separating a mixture of two solids by winnowing is:
(a) Difference in size (b) Difference in colour
(c) Difference in weight (d) Attraction by magnet

Q2. Write True (T) or False (F):

- i. Settling down of heavy particles in a mixture is called decantation. []
- ii. The process of winnowing is used to remove pebbles from grains. []
- iii. The minor component of a solution is called solvent. []
- iv. We can separate the chalk powder from water by filtration. []
- v. Common salt is used as the special substance in the process of loading. []

Q3. Give two examples of each of the following:

- | | | |
|-----------------|---------------------|------------------------|
| i. Hand picking | ii. Distillation | iii. Filtration |
| iv. Sieving | v. Miscible Liquids | vi. Immiscible Liquids |

Q4. Match column A with column B:

- | Column A | | Column B |
|---|---|------------|
| i. Separating butter from curd | - | Filtration |
| ii. Separation of a mixture of mud and water | - | Loading |
| iii. Process of separation of chaff from wheat flour. | - | Churning |
| iv. Use of alum | - | Water |
| v. Universal solvent | - | Sieving |

Q5. Classify the following substances as pure substance or a mixture:

Common salt, water, silver, cold coffee, tea, lemonade.

Q6. Observe the given picture carefully and answer the following questions:.

- i. Which fruit/vegetable is used here?
- ii. Name the food item getting prepared.
- iii. Name the method of separation used.
- iv. Name the components that are getting separated.

