

Class-VI L-5 Separation of Substances

1) Fill in the blanks _____

- a. The method of separating mixture into its component by hand is called a _____.
- b. _____ is the method of separating husk from grains using wind.
- c. The process of settling down of a solid at the bottom of liquid is called a _____.
- d. A substance that dissolves in liquid is called a _____.
- e. The mixture of a solute and a solvent is called a _____.

2) MCQ - Tick () the correct option ____

I Water is called a universal solvent because _____

- a) It can dissolve very few solid. ☐
- b) It cannot dissolve any substance in it. ☐
- c) It can dissolve only liquids. ☐
- d) It can dissolve many solids, liquids and gases. ☐

II A solution is said to be saturated if _____

- a) It can dissolve more of the substance in it. ☐
- b) It cannot dissolve more of the substance in it. ☐
- c) It can be filtered. ☐
- d) It becomes very sweet. ☐

III The most convenient method for separating husk (bhusoa) from grain is _____

- | | | | |
|----------------|--------------------------|---------------|--------------------------|
| a) Decantation | ☐ | c) Filtration | ☐ |
| b) Handpicking | ☐ | d) Winnowing | ☐ |

IV A mixture of coconut oil and water can be separated by _____

- | | | | |
|----------------|--------------------------|---------------------------------|--------------------------|
| a) Filtration | ☐ | c) handpicking | ☐ |
| b) Decantation | ☐ | d) Evaporation and condensation | ☐ |

V Peanuts are separated from a mixture of pulses and rice by _____

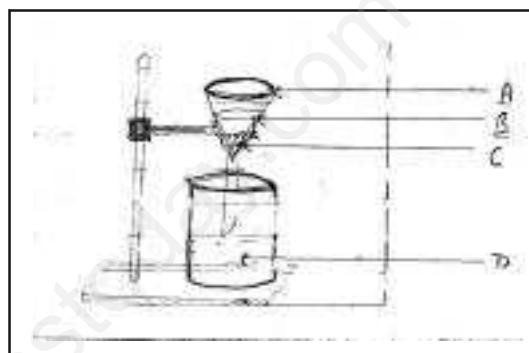
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|---------------|--------------------------|----------------|--------------------------|
| a) Winnowing | ☐ | c) Sieving | ☐ |
| b) Filtration | ☐ | d) handpicking | ☐ |

3. Coin one word for the following ____

- The process of converting a liquid into its vapour _____.
- A substance that settles down at the bottom of a liquid _____.
- A solution in which no more solute can be dissolved at a given temperature _____.
- The process of converting water vapour into water drops. _____.

4. Label the following diagram and Name the process method ____

-
-
-
-



Method -

5. Answer the following _

i. Is milk a mixture?

.....

ii. Can filtration be used to separate the components of milk.

.....

iii. What is the process of removal of the clear liquid layer without disturbing the settled solid called ?

.....

6. Mention the method / process involve against the pictures _

a.



1

.....

b.



2

.....

c.



3.

a)

b)

d.



4

a)

b)