

Chemistry Worksheets Class 6 on Chapter 5 Separation Of Substances - Set 1

Q-1: Which of the following techniques is used to remove stones from the soil?

- a) Threshing
- b) Winnowing
- c) Sieving
- d) Filtration

Q-2: The process of converting water vapour to liquid is known as _____.

- a) Decantation
- b) Condensation
- c) Evaporation
- d) Filtration

Q-3: Which of the following factors can be used to dissolve more sugar in water before it reaches saturation?

- a) Cooling
- b) Heating
- c) Constant Stirring
- d) All of the above

Q-4: Which of the following materials has the smallest pores?

- a) Cloth
- b) Sieve
- c) Filter paper
- d) All of the above

Q-5: Which of the following is the basis of separation for sieving?

- a) Component weight
- b) Component mass
- c) Component size
- d) Component type

Q-6: Fill in the blanks.

- a) _____ process is used in the preparation of cottage cheese.
- b) _____ process is used for separating the mixture of ghee and water.
- c) Winnowing is used to separate _____ and _____ components.
- d) _____ is done with the help of bullocks.
- e) _____ is the convenient method of separating substances.

Q-7: What happens to the components that have been separated?

Q-8: When is handpicking employed?

Q-9: Describe one application of the winnowing method.

Q-10: Which separation method will you use to separate a mixture of wheat flour, black lentils and beans?

Q-11: Which method is preferable for separating tea leaves from prepared tea: decantation or filtration?

Q-12: Before cooking, rice or pulses are usually washed. When you add water to these, the impurities, such as dust particles, rise to the surface. How are you going to separate the impurities from it now?

Q-13: How will you prepare paneer (cheese)?

Q-14: What is evaporation? What is the significance of this procedure?

Q-15: Priya's home had visitors. Priya considered making cold coffee for them. She dissolved sugar in chilled milk and noticed that it took a long time to dissolve. Meanwhile, Priya's mother arrived and instructed her to transfer the chilled milk to another container and to add boiled milk to the sugar that had settled at the bottom.

- a) Why do you think Priya's mother would have given such advice?
- b) What are saturated solutions?
- c) How does boiling help dissolve sugar in milk?
- d) What values of Priya are shown here?