

## Chemistry Worksheets Class 6 on Chapter 5 Separation Of Substances - Set 2

**Q-1:** The process of conversion of water into its vapour is called \_\_\_\_\_.

- a) Precipitation
- b) Condensation
- c) Evaporation
- d) Sublimation

**Q-2:** Which of the following is the basis of separation for filtration?

- a) Difference in size of the particles.
- b) Difference in mass of the particles.
- c) Difference in weight of the particles.
- d) Difference in density of the particles.

**Q-3:** Which of the following factors would be used in winnowing to separate heavier and lighter components of a mixture?

- a) Water
- b) Wind
- c) Air
- d) Sea water

**Q-4:** Name the method that can be used for the following:

- a) Water and Black gold
- b) Chana and salt
- c) Green chillies from poha

**Q-5:** Which of the following techniques is used to separate two immiscible liquids?

- a) Decantation
- b) Filtration
- c) Sedimentation
- d) All of the above

**Q-6:** Fill in the blanks.

- a) Machines are used to thresh large quantities of \_\_\_\_\_.
- b) \_\_\_\_\_ are dried in the sun before they get separated from the grain.
- c) The substances to be separated may be particles of different \_\_\_\_\_ or \_\_\_\_\_.
- d) When steam comes into contact with an ice-cooled metal plate, it \_\_\_\_\_ and turns into liquid water.

e) A solution is said to be \_\_\_\_\_ if it cannot dissolve more of the substance in it.

**Q-7:** Match column I with column II.

Column I	Column II
A) Separating bran from flour.	i) Sedimentation
B) Separating butter from milk	ii) Filtration
C) Separating tea leaves from prepared tea.	iii) Churning
D) Separation of petrol from water.	iv) Evaporation
E) Separation of pulp's solid particles from the vegetable juice.	v) Decantation vi) Sieving

**Q-8:** Why are a few drops of lemon juice added to boiling milk? What is the end result?

**Q-9:** What is the purpose of separating substances?

**Q-10:** Farmers use winnowing to separate the lighter husk particles from the heavier grain seeds. Write one application of the separated husk.

**Q-11:** Can you separate sugar from wheat flour? If so, how will you go about doing so?

**Q-12:** Is there some way that water could be made to dissolve more salt before the solution gets saturated?

**Q-13:** What is the purpose of decantation?

**Q-14:** What do saturated and unsaturated solutions mean?

**Q-15:** Collect some loamy soil and water from a pond or river. In a jar, mix some loamy soil and water. Allow it to sit for 30 minutes.

a) Does some soil settle at the bottom of the water? If yes, then why?

b) What will you call this procedure?