

CLASS IX- CHEMISTRY
IS MATTER AROUND US PURE

Assignment-3

MULTIPLE CHOICE QUESTION - 3.1

1. Which of the following substances when mixed with sand cannot be separated by sublimation ?
(A) NaCl (B) NH_4Cl (C) Camphor (D) Iodine
2. Which of the following is a physical change ?
(A) Evaporation of alcohol (B) Melting of ice
(C) Rusting of iron (D) Both (A) & (B)
3. What will be the sublimate, when a mixture of sand, sulphur, common salt and iodine is sublimed ?
(A) Sand (B) Iodine (C) Sulphur (D) Common salt
4. Mixture of sand and camphor can be purified by -
(A) distillation (B) filtration (C) sedimentation (D) sublimation
5. A mixture of alcohol and water can be separated by
(A) separating funnel (B) fractional distillation
(C) simple distillation (D) sublimation
6. To separate the various coloured pigments present in a substance which method is used ?
(A) sublimation (B) Chromatography (C) Centrifugation (D) Evaporation
7. Carbon burns in oxygen to form carbon dioxide. The properties of carbon dioxide are -
(A) similar to carbon
(B) similar to oxygen
(C) totally different from both carbon and oxygen
(D) much similar to both carbon and oxygen
8. A mixture of ammonium chloride and sodium chloride can be separated by
(A) chromatography (B) hand picking (C) by sublimation (D) centrifugation
9. Which of the following is not a chemical change ?
(A) Rusting of iron (B) Cooking of food (C) Freezing of water (D) Digestion of food
10. Which of the following method is used for separation of different components of petroleum ?
(A) Fractional distillation (B) Sublimation
(C) Chromatography (D) Simple distillation

SUBJECTIVE QUESTION - 3.2

1. What is chromatography?
2. Write applications of centrifugation.
3. How will you separate iron filings, ammonium chloride and sand from their mixture?
4. What is fractional distillation? Draw a labeled diagram of the apparatus used for separating a mixture of alcohol and water.