

IS MATTER AROUND US PURE? - Class IX - Paper Set 3

1. Which of the following is a method to separate ammonium chloride from a mixture?
 - (a) Filtration
 - (b) Distillation
 - (c) Sublimation
 - (d) Centrifugation
2. What type of mixture is blood?
 - (a) Solution
 - (b) Suspension
 - (c) Colloid
 - (d) Heterogeneous
3. What is the dispersed phase in smoke?
 - (a) Solid
 - (b) Liquid
 - (c) Gas
 - (d) Plasma
4. Which property is true for a colloid?
 - (a) Particles can be separated by filtration
 - (b) Particles settle when left undisturbed
 - (c) Particles are visible to the naked eye
 - (d) Particles scatter light
5. What happens to the solubility of most solids in water as temperature increases?
 - (a) Increases
 - (b) Decreases
 - (c) Remains constant
 - (d) First decreases, then increases
6. Which of the following is not an example of a compound?
 - (a) Carbon dioxide
 - (b) Water

- (c) Air
 - (d) Sodium chloride
7. Which of the following shows the Tyndall effect?
- (a) Salt solution
 - (b) Milk
 - (c) Vinegar
 - (d) Sugar solution
8. What is the solute in aerated drinks?
- (a) Water
 - (b) Sugar
 - (c) Carbon dioxide
 - (d) Alcohol
9. Which mixture is homogeneous?
- (a) Oil and water
 - (b) Soil and water
 - (c) Sugar in water
 - (d) Iron filings and sulphur
10. What happens to the particles in a suspension when left undisturbed?
- (a) They remain evenly distributed
 - (b) They settle at the bottom
 - (c) They dissolve completely
 - (d) They float at the top

True Answers:

1. (c)
2. (c)
3. (a)
4. (d)
5. (a)
6. (c)
7. (b)
8. (c)
9. (c)
10. (b)

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