

IS MATTER AROUND US PURE? - Class IX - Paper Set 4

1. What type of solution is air?
 - (a) Solid in liquid
 - (b) Liquid in liquid
 - (c) Gas in gas
 - (d) Gas in liquid
2. Which of the following is a heterogeneous mixture?
 - (a) Brass
 - (b) Vinegar
 - (c) Oil and water
 - (d) Salt in water
3. What is the dispersed medium in fog?
 - (a) Solid
 - (b) Liquid
 - (c) Gas
 - (d) Plasma
4. Which of these substances is not a pure compound?
 - (a) Glucose
 - (b) Carbon dioxide
 - (c) Air
 - (d) Sodium hydroxide
5. Which of the following mixtures can be separated by filtration?
 - (a) Salt solution
 - (b) Starch solution
 - (c) Blood
 - (d) Muddy water
6. What type of mixture is alloy brass?
 - (a) Homogeneous
 - (b) Heterogeneous

- (c) Suspension
 - (d) Colloid
7. Which of the following mixtures is a colloid?
- (a) Sugar solution
 - (b) Mud in water
 - (c) Milk
 - (d) Oil in water
8. What is the process of separating different dyes from a mixture?
- (a) Distillation
 - (b) Chromatography
 - (c) Sublimation
 - (d) Filtration
9. In a colloid, what is the substance called in which particles are dispersed?
- (a) Dispersing medium
 - (b) Solvent
 - (c) Solute
 - (d) Residue
10. What type of change occurs when iron rusts?
- (a) Physical change
 - (b) Chemical change
 - (c) Both physical and chemical
 - (d) None of the above

True Answers:

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