

IS MATTER AROUND US PURE? - Class IX - Paper Set 5

1. What is the dispersed phase in butter?
 - (a) Gas
 - (b) Liquid
 - (c) Solid
 - (d) Plasma
2. What type of mixture is fog?
 - (a) Solution
 - (b) Suspension
 - (c) Colloid
 - (d) Pure substance
3. Which separation technique is used to separate immiscible liquids?
 - (a) Filtration
 - (b) Separating funnel
 - (c) Sublimation
 - (d) Crystallization
4. Which method is used to obtain pure water from seawater?
 - (a) Filtration
 - (b) Evaporation
 - (c) Simple distillation
 - (d) Centrifugation
5. What is the size of particles in a colloid?
 - (a) Less than 1 nm
 - (b) 1–100 nm
 - (c) More than 100 nm
 - (d) Equal to 1000 nm
6. Which of the following is an example of a physical change?
 - (a) Melting of ice
 - (b) Burning of wood

- (c) Rusting of iron
 - (d) Digestion of food
7. Which of the following can scatter light?
- (a) Colloids
 - (b) Solutions
 - (c) Suspensions
 - (d) Pure substances
8. What is the medium in a gel?
- (a) Solid
 - (b) Liquid
 - (c) Gas
 - (d) None of the above
9. Which separation technique is used to separate two solids, one of which sublimes?
- (a) Crystallization
 - (b) Filtration
 - (c) Sublimation
 - (d) Chromatography
10. Which of the following is an irreversible change?
- (a) Freezing of water
 - (b) Evaporation of water
 - (c) Burning of a candle
 - (d) Boiling of water

True Answers:

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