

IS MATTER AROUND US PURE? - Class IX - Paper Set 2

1. What is the particle size in a solution?
 - (a) Larger than 1 nm
 - (b) Smaller than 1 nm
 - (c) Between 1 and 10 nm
 - (d) Equal to 1 nm
2. Which of the following is a homogeneous mixture?
 - (a) Soil
 - (b) Vinegar
 - (c) Muddy water
 - (d) Smoke
3. What is an alloy?
 - (a) A mixture of gases
 - (b) A compound of metals
 - (c) A homogeneous mixture of metals
 - (d) A heterogeneous mixture of metals
4. Which separation technique is used to obtain salt from seawater?
 - (a) Filtration
 - (b) Crystallization
 - (c) Distillation
 - (d) Evaporation
5. Which of the following is an example of a colloid?
 - (a) Vinegar
 - (b) Sugar solution
 - (c) Blood
 - (d) Air
6. What is the main property of a suspension?
 - (a) It is a homogeneous mixture
 - (b) Its particles do not settle on standing

- (c) It shows the Tyndall effect
 - (d) It is clear and transparent
7. Which of the following substances will dissolve in water to form a solution?
- (a) Sand
 - (b) Oil
 - (c) Sugar
 - (d) Chalk
8. What type of change occurs when water freezes?
- (a) Physical
 - (b) Chemical
 - (c) Reversible chemical
 - (d) Irreversible chemical
9. Which gas is responsible for the fizz in soda water?
- (a) Oxygen
 - (b) Hydrogen
 - (c) Nitrogen
 - (d) Carbon dioxide
10. What is the medium in milk as a colloid?
- (a) Gas
 - (b) Liquid
 - (c) Solid
 - (d) Plasma

True Answers:

- 1. (b)
- 2. (b)
- 3. (c)
- 4. (d)
- 5. (c)
- 6. (c)
- 7. (c)

8. (a)

9. (d)

10. (b)