

Is Matter Around Us Pure - Important Questions

[Important Questions Notes](#)

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1. State the differences between compounds and mixtures.
2. What are alloys? What are the constituents of brass?
3. Differentiate between colloid, solution and suspension.
4. .
 1. What is Tyndall effect? Does true solution exhibit Tyndall effect?
 2. "Tyndall effect can be seen when sunlight passes through the canopy of forest." Explain how this occurs?
5. To make a saturated solution, 36 g sodium chloride is dissolved in 100 g of water at 293 K. Find its concentration at this temperature.
6. How is crystallization better than evaporation?
7. Name the technique used to separate
 1. butter from curd
 2. salt from sea water
 3. camphor from salt.
8. Name the following:
 1. A lustrous liquid metal
 2. A liquid non metal
 3. A metal which can be cut with a knife
 4. A non metal which is a good conductor of electricity
 5. An element which melts when kept on the palm
 6. The best conductor of heat
9. Identify solute & solvent in the following solutions:
 1. Aerated drinks
 2. Tincture of iodine
10. State the principles of each of the following methods of separation of mixtures:
 1. Centrifugation method
 2. Separation using separating funnel
11. What is a pure substance? What are the characteristics exhibited by a pure substance?
12. What is an emulsion? Give one example.
13. What is crystallization? Give its two applications.
14. How would you confirm that a colourless liquid given to you is pure water?
15. 15 g of salt is dissolved in 100 g water at 293 K. Find its concentration at this temperature.
16. .
 1. Name the process used to separate a mixture of acetone and water.

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2. Give the principal of this process.
3. Draw a labeled diagram of the process used to show the separation of above mixture.

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