

Is Matter Around Us pure?

The table shows the	processes required	to separate differen	t mixtures in four se	eparate jars.
	Jar 1	Jar 2	Jar 3	Jar 4
Process	distillation	filtration	evaporation	sublimation

SAS21S090201

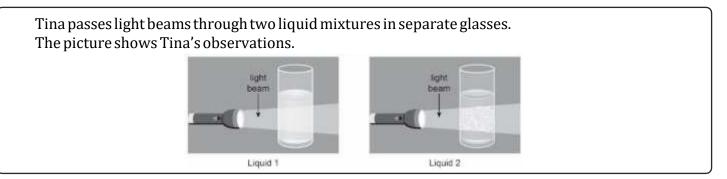
Which jar contains a mixture of two solids?

- A. Jar 1
- B. Jar 2
- C. Jar 3
- D. Jar4

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What process **does not** involve heating?

- A. Distillation
- B. Filtration
- C. Evaporation
- D. Sublimation



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Curriculum Aligned Competency Based Test Items



Science Class 9 – Chapter 2

SAS21S090203

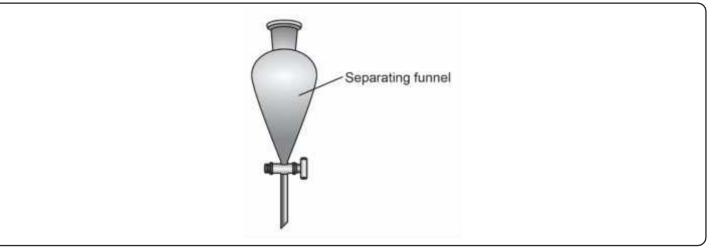
Liquid 1Liquid 2A.solutioncolloidB.colloidsuspensionC.solutionsuspensionD.suspensioncolloid

SAS21S090204

Which of these is true about the particles in the two liquids?

Based on the behaviour of the light beam what are liquids 1 and 2?

- A. Particles in both liquids scatter light rays.
- B. Particles in both liquids absorb light rays.
- C. Particles in liquid 1 scatter light rays and particles in liquid 2 absorb light rays.
- D. Particles in liquid 1 absorb light rays and particles in liquid 2 scatter light rays.



SAS21S090205

What are the components of a mixture that can be separated using a separating funnel?

- A. Two miscible liquids
- B. Two immiscible liquids
- C. A gas dissolved in a liquid
- D. A solid dissolved in a liquid

SAS21S090206

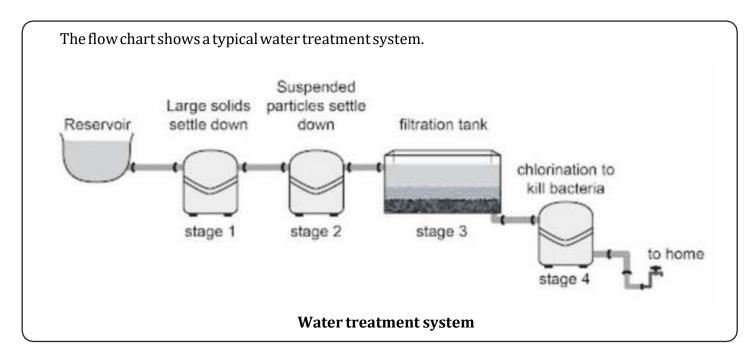
Which of these is an **alloy**?

- A. Silver
- B. Copper
- C. Bronze
- D. Aluminium



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SAS21S090207

What can be concluded from the flow chart about the water treatment system?

- A. There are two stages of filtering water.
- B. Microorganisms in water are removed in the last stage.
- C. Large impurities in water are removed in the last stage.
- D. There are three stages for removal of suspended impurities.

SAS21S090208

Which of these is common for all chemical changes?

- A. Change in shape
- B. Absorption of heat
- C. Increase in volume
- D. Formation of a new substance

The table lists the properties of four substances.

	Is it shiny?	How does it conduct electricity?
Substance 1	yes	very good
Substance 2	no	very poor
Substance 3	yes	medium
Substance 4	no	poor

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Which substance is most likely to be a metalloid?

- A. Substance 1
- B. Substance 2
- C. Substance 3
- D. Substance 4

A gas cylinder has the following symbol on its surface.



SAS21S090210

Which property of the gas is represented by the symbol?