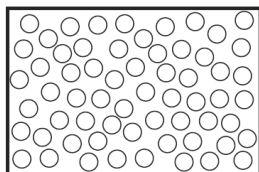


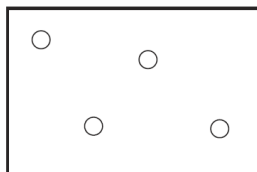
NO:	PROPERTIES OF SOLIDS LIQUIDS AND GASES-SET-1
1	<p>A coloured liquid vaporises easily at room temperature. Some of the liquid is placed at the bottom of a sealed gas jar.</p> <p>Which diagram shows the appearance of the jar after several hours?</p> <div data-bbox="386 415 1230 697" style="text-align: center;"> <p>The diagrams illustrate the process of evaporation in a sealed jar. Diagram A shows a jar with a small amount of 'coloured liquid' at the bottom. Diagram B shows the jar with a thin layer of 'coloured vapour' above the liquid. Diagram C shows the jar with a thicker layer of 'coloured vapour' above the liquid. Diagram D shows the jar completely filled with 'coloured vapour'.</p> </div>
Ms-1	D
2	<p>In which of the following are the particles arranged in a regular pattern?</p> <p>A a gas</p> <p>B a liquid</p> <p>C a metal</p> <p>D a solution</p>
Ms-2	C
3	<p>At room temperature, in which substance are the particles furthest apart?</p> <p>A H₂ B H₂O C Mg D MgO</p>
Ms-3	A

4

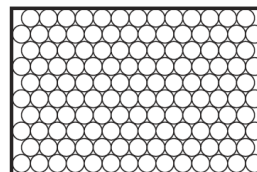
The diagrams show the arrangement of particles in three different physical states of substance X.



state 1



state 2



state 3

Which statement about the physical states of substance X is correct?

- A** Particles in state 1 vibrate about fixed positions.
- B** State 1 changes to state 2 by diffusion.
- C** State 2 changes directly to state 3 by condensation.
- D** The substance in stage 3 has a fixed volume.

Ms-4

D

5

Some students are asked to describe differences between gases and liquids.

Three of their suggestions are:

1	gas molecules are further apart;
2	gas molecules are smaller;
3	liquid molecules vibrate around fixed positions.

Which suggestions are correct?

- A** 1 only
- B** 2 only
- C** 3 only
- D** 1, 2 and 3

Ms-5

A