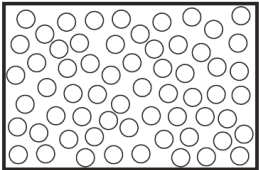
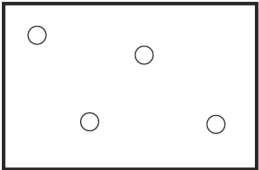
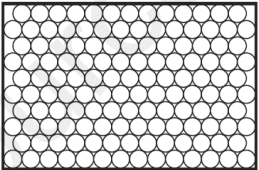


NO:	STATE CHANGES-SET-1
1	<p>In which changes do the particles move further apart?</p> $\text{gas} \begin{matrix} \xrightarrow{W} \\ \xleftarrow{Y} \end{matrix} \text{liquid} \begin{matrix} \xrightarrow{X} \\ \xleftarrow{Z} \end{matrix} \text{solid}$ <p>A W and X B W and Z C X and Y D Y and Z</p>
2	<p>The diagrams show the arrangement of particles in three different physical states of substance X.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>state 1</p> </div> <div style="text-align: center;">  <p>state 2</p> </div> <div style="text-align: center;">  <p>state 3</p> </div> </div> <p>Which statement about the physical states of substance X is correct?</p> <p>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.</p>

3

The diagram shows a cup of tea.



Which row describes the water particles in the air above the cup compared with the water particles in the cup?

	moving faster	closer together
A	✓	✓
B	✓	x
C	x	✓
D	x	x

4

In which process do particles move closer together but remain in motion?

- A** condensation
- B** diffusion
- C** evaporation
- D** freezing