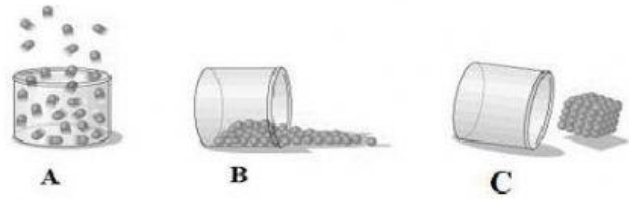


Name: _____**Exercise 1:**

Part A: Figures (A), (B) and (C) show the atoms of 3 different materials.

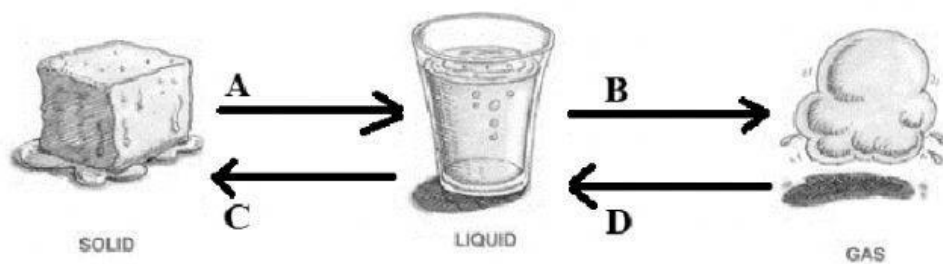


1. Name the state of matter of material (A). Justify your answer.
 - i. (A) is a solid since the particles are tightly packed
 - ii. (A) is a liquid since the particles are close to each other
 - iii. (A) is a gas since the particles are very far from each other
2. Name the state of matter of material (B). Justify your answer.
 - i. (B) is a liquid since the particles are very far
 - ii. (B) is a gas since the particles are close to each and are flowing
 - iii. (B) is a liquid since the particles are close to each other and are flowing
3. Name the state of matter of material (C). Justify your answer.
 - i. (C) is a solid since the particles are tightly packed
 - ii. (C) is a liquid since it is flowing out of the cup
 - iii. (C) is a gas since the cup particles are very far
4. Describe the movement of the particles of substance (A).
 - i. Particles in (A) vibrate
 - ii. Particles in (A) move freely around each other
 - iii. Particles in (A) collide as they move quickly

5. Which material has a fixed shape and volume?
- Material A
 - Material B
 - Material C
6. Which materials take the shape of the container?
- Materials A and B
 - Materials A and C
 - Materials B and C
7. Which material has no fixed volume?
- Material A
 - Material B
 - Material C

Part B: The figure below represents the changes in states of matter.

1. Drag and Drop to label changes A, B,C, and D.



Condensation - Freezing- Evaporation - Melting

2. Name the changes of state that need heat.
- Freezing and melting
 - Melting and Evaporation
 - Condensation and Freezing