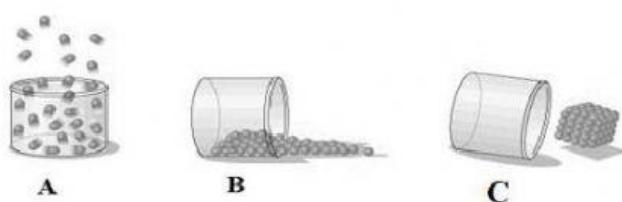


**Name:** \_\_\_\_\_**Exercise 1:**

**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?

- i. Material A
- ii. Material B
- iii. Material C

6. Which materials take the shape of the container?

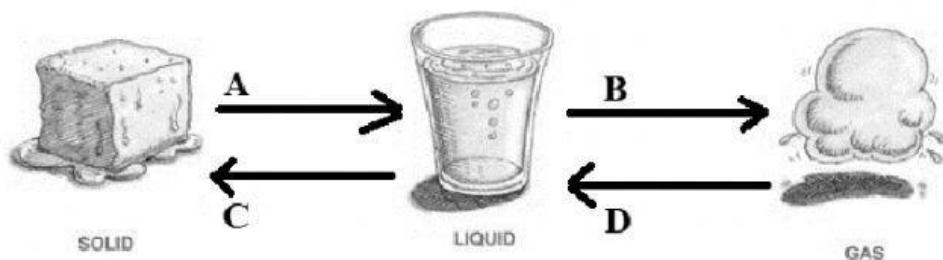
- i. Materials A and B
- ii. Materials A and C
- iii. Materials B and C

7. Which material has no fixed volume?

- i. Material A
- ii. Material B
- iii. 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.

- i. Freezing and melting
- ii. Melting and Evaporation
- iii. Condensation and Freezing