



3055 BA SANGAM COLLEGE

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WORKSHEET 13

School: Ba Sangam College

Name: _____

Subject: Basic Science

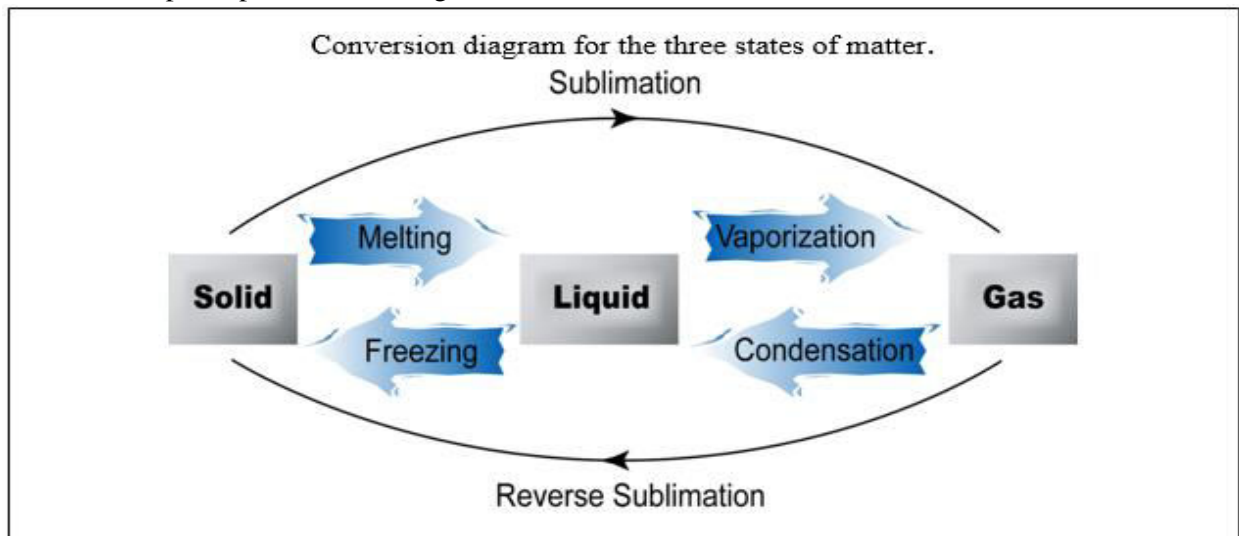
Year/Level: 9

Strand 2	Matter
Sub Strand 2.1	Investigating Matter
Content Learning Outcome	Explore and discuss the fact that particles are small and behave differently in different states of matter under different situations..

Lesson Notes–Effect of Heating and Cooling on Matter

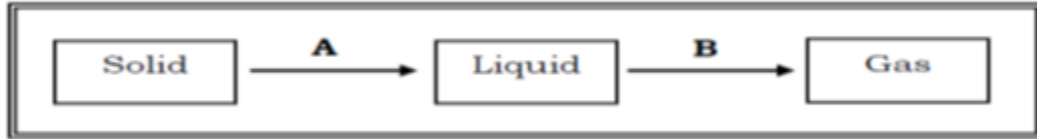
Change of state

- ✚ Sublimation- solid changing directly to gas
-examples include moth ball (naphthalene), dry ice (solid carbon dioxide), ammonium chloride, camphor
- ✚ Melting - solid changing to liquid
-example includes ice melting, butter melting, candle wax, etc
- ✚ Evaporation - liquid changing to gas
-water to water vapor
- ✚ Condensation - gas changing to liquid
-example water vapor to water, formation of rain
- ✚ Freezing - liquid to solid
-water to ice, liquid juice-solid juice
- ✚ Reverse sublimation- gas changing directly to solid
Example-naphthalene cooling



Exercise

1. Use the information provided below to name the processes involved when the state of matter changes.

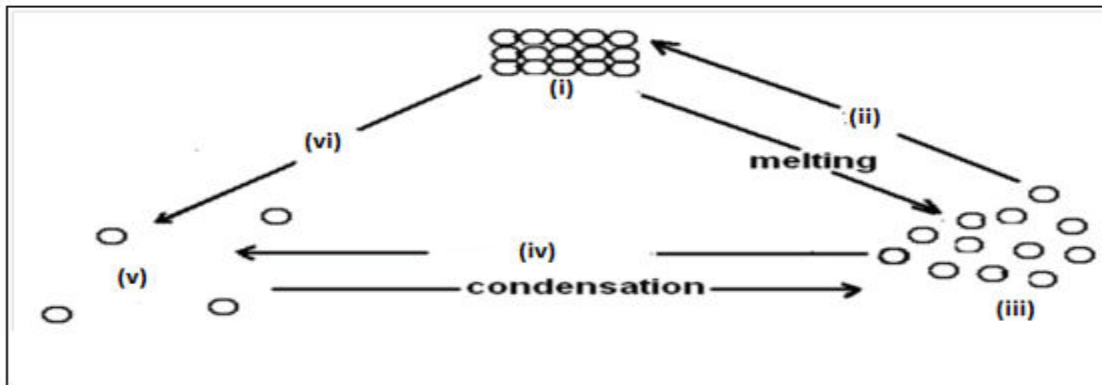


A: _____ (1 mark)

B: _____ (1 mark)

2. Label the processes on the diagram below:

Complete the following on the diagram using the words; gas, freezing, sublimation, liquid, evaporation, solid.



i) _____ (1 mark)

ii) _____ (1 mark)

iii) _____ (1 mark)

iv) _____ (1 mark)

v) _____ (1 mark)

vi) _____ (1 mark)

3. What is sublimation?

_____ (1 mark)