

MATTER AND IT'S COMPOSITION

SUBJECT-CHEMISTRY

CHAPTER NO- 1

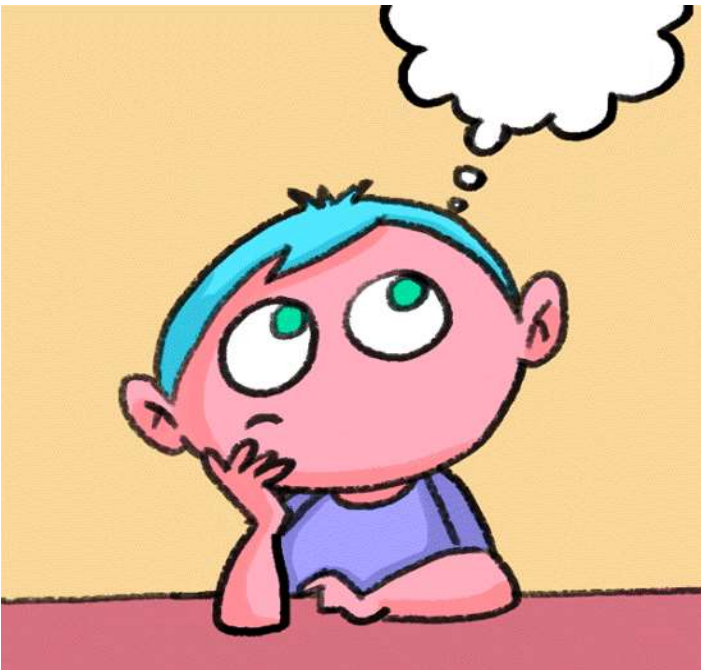
Inter conversion of states of matter

PERIOD-5

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- Students will be able to
- Understand the concept of inter conversion of states of matter
- Familiarize with the causes which results into the change in state of matter.



WARM UP QUESTIONS

- Recapitulation of previous topic by asking the following questions.

Q. What are the three states of matter?

Q. How can you differentiate solid liquid and gases based on the following properties?

a. intermolecular space

b. fluidity

c. transparency

d. volume

e. lusture

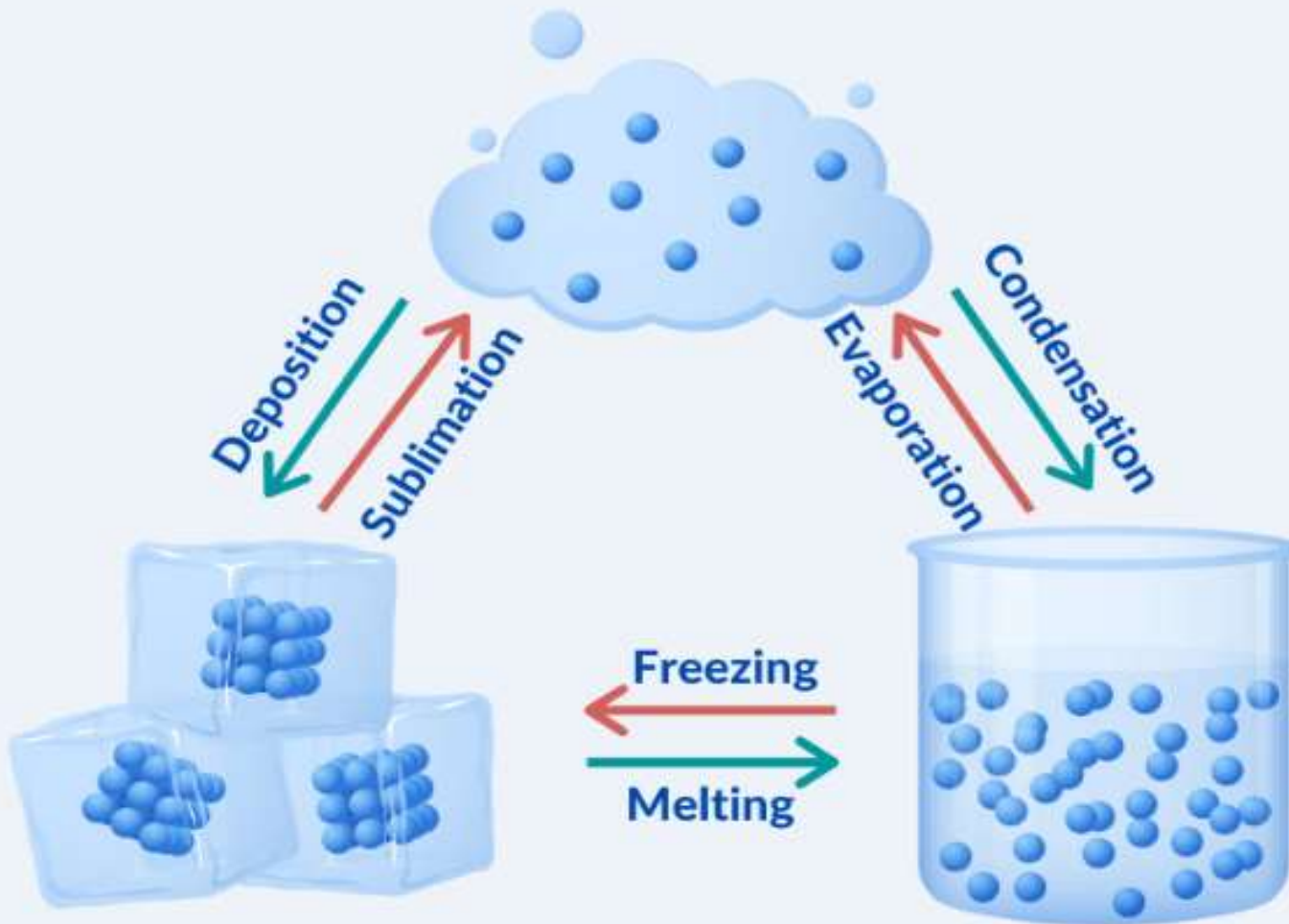
f. volume

g. effect of pressure

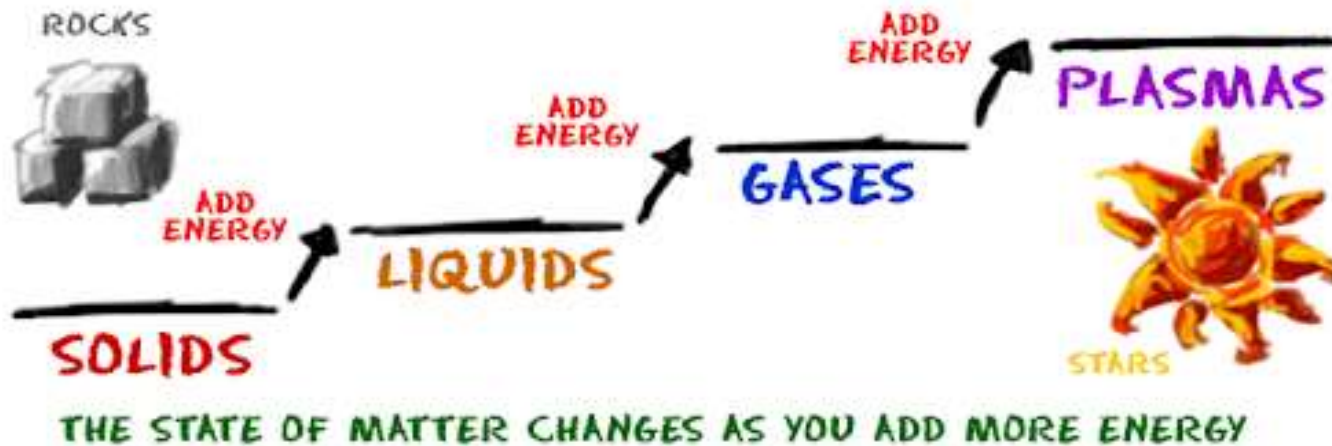
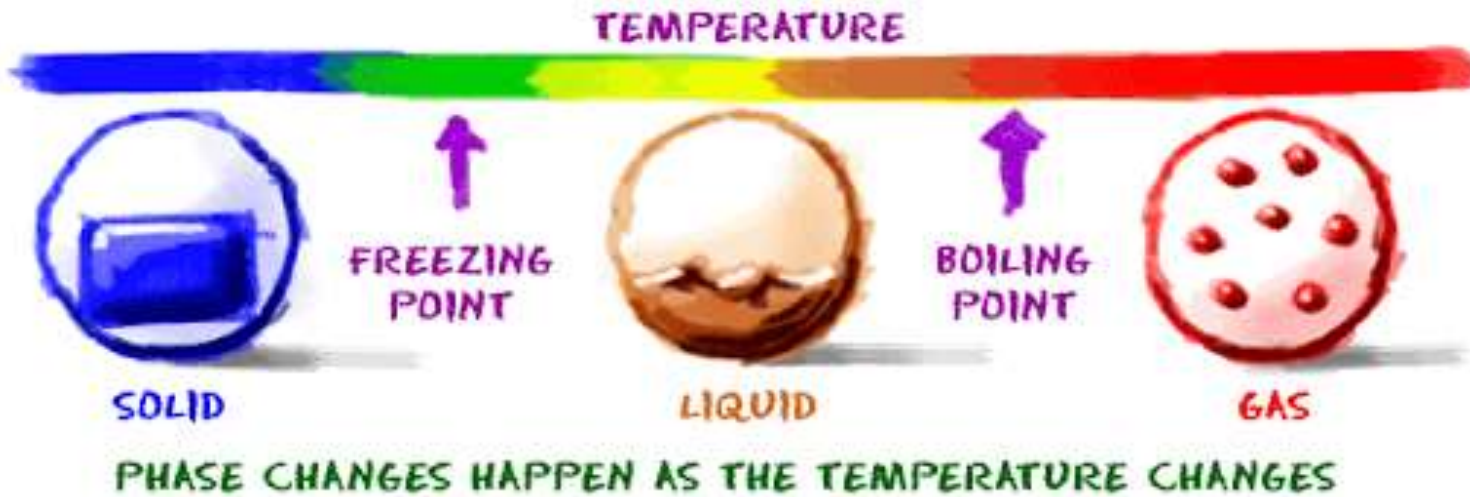
Q. What happens when you boil water?

Inter conversion of states of matter

Change in states of matter



Change of state by changing the temperature

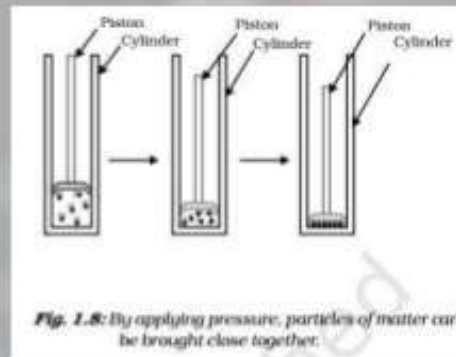


Change of state by changing the temperature

<https://youtu.be/ENVKQVIDNLY>

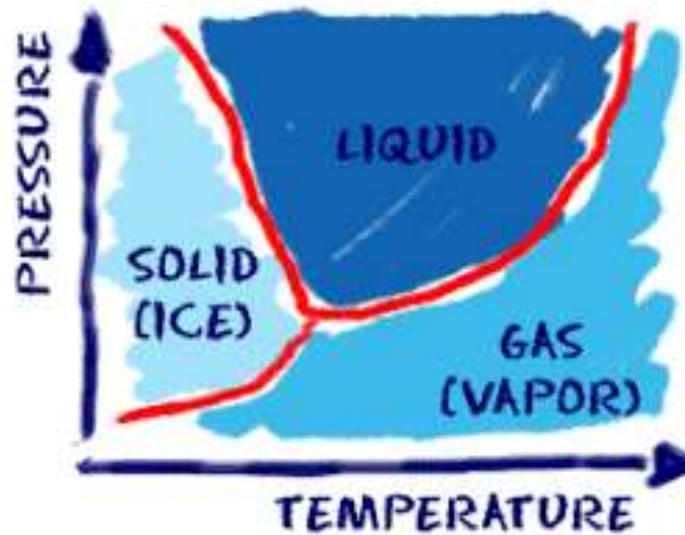
Change of state by changing the pressure

Effect of Pressure on Gasses



When pressure is applied on gas the particles come closer and the gas changes into liquid.

We can liquefy gases by applying pressure and reducing the temperature. Compressed solid carbon dioxide is called dry ice. If the pressure is reduced it changes directly to gas without coming into liquid state. So solid carbon dioxide is known as dry ice.



- When the **pressure** surrounding a substance increases, the freezing point and other special points also go up. It is easier to keep things **solid** when they are under greater **pressure**. Generally, **solids** are more dense than liquids because their molecules are closer together.

- **change of state by changing the pressure**
- <https://youtu.be/FIC8IqTbXZY>
- https://youtu.be/UUm_ZAa8z6k

HOME ASSIGNMENT

- Exercise-7,8
- Q. Define the following term
 1. evaporation
 2. condensation
 3. sublimation
 4. vapourization

THANKING YOU
ODM EDUCATIONAL GROUP