CLASS - VIII Sub. - PHYSICS (Matter) [by sonu sir]

I, Fill in the blanks :

1. Evaporation produce cooling .
2. A substance can exist in three different states Solid , liquid , Gas .
3. Anything which occupies space and has mass called matter .
4. The properties of matter depends upon its molecules or molecules structure.
5. The intermolecular space is maximum in Gas and less in liquid and the least in Solid .

II , Answer the following questions -

1. Write the characteristics of molecules of matter. →

Ans. The characteristics of molecules of matter are -

i) They are very small in size
ii) They attract each other
iii) They have spaces between them
iv) They are constantly in motion.

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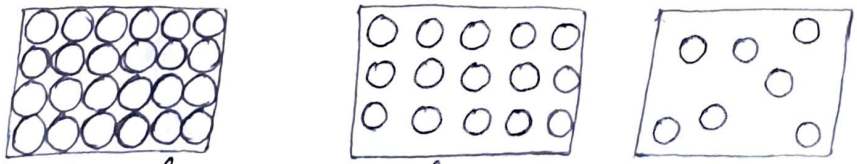
2. Draw the molecular diagram of states of matter



Solid liquid Gas

3. Write the characteristics of solids.

Ans. The characteristics of solids are -

i) Solids have definite shape and size.
ii) In solids molecules are very closely packed.
iii) It has definite volume.
iv) In solids inter molecular forces are very strong.
v) It cannot flow.

4. Write the characteristics of liquids.

Ans. The characteristics of liquids are -

i) In the liquids molecules are loosely packed.
ii) The intermolecular forces in liquids are less than in solids.
iii) Liquids have an indefinite shape, and size.
iv) Liquids have definite volume.
v) Liquids can flow from a higher level to lower level.

5. Write the characteristics of Gases.

Ans. The characteristics of Gases are -

i) In gases intermolecular space is maximum.
ii) In gases intermolecular forces of attraction is least.
iii) Gases has an indefinite shape and size.
iv) In gases its volume is indefinite.
v) In gases kinetic energy of its molecules is maximum.
vi) It can flow in any direction.

by Sonu sir

6. Define Melting and Fusion.

Ans. The process in which a solid changes into liquid state on heating ~~and fusion~~ is called Melting and fusion. The temperature at which a solid changes into its liquid state is called melting point.

Ex. Melting point of ice is 0°C.

7. Define vaporization (Boiling).

Ans. The process in which a liquid changes its state to gaseous state at constant temperature on heating is called vaporization or Boiling.

The temperature at which a liquid change into gaseous state is called Boiling point.

At this temperature liquid starts to boil.

Ex. Boiling point of water is 100°C.

Note. All this↑ Write in your Physics copy and Read Daily.