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S.J.M. PUBLIC SCHOOL · Date 18/05/20
Lockdown Homework

Chn. 9

Sub: Science

Topic: Matter in our

Teacher: M. Raju

Surroundings

Mod No: 104852

Sublimation:

The change of state of a substance directly from a solid to gas, without changing into the liquid state is called sublimation. Ex: Camphor.

Freezing Point:

The Temperature at which the state of a substance changes from a liquid to a solid is called the freezing point of that substance.

Effect of change of pressure:

Gases can be liquefied by applying pressure and reducing the temperature. When a high pressure is applied to a gas, it gets compressed and if the temperature is lowered the gas is liquefied.

~~Ex:~~ Solid CO_2 gets liquefied converted directly to gaseous state on decrease of pressure to 1 atmosphere without coming into liquid state. This is the reason that Solid CO_2 is also known as dry ice.

Evaporation:

The process of conversion of a substance from the liquid state to the gaseous state at any temperature below its boiling point is called evaporation.

Q(1) What is freezing point of water.

Q(2) Write different ways change of temperature and change of pressure on a substance.