ODM EDUCATIONAL GROUP
Changing your Tomorrow

ODM Teachers' Note

Class	IX	Subject	CHEMISTRY
PD	2	Chapter-1	MATTER IN OUR SURROUNDING
Recapitulation of the previous class taught.	❖ Physical Nature of Matter. ❖ Characteristics of the Particles of matter.		
Sub-Concepts	❖ States of Matter.		
Teaching Aid To be used	Smart Class, PowerPoint presentation, classroom objects, (advertisements), charts.		
Learning Outcome	• Students will be able to know about the different states of matter, • Students will be able to know about the properties of the states of matter.		
Sl. No	Step Wise (What to be done)		
1 Introduction	For Achievers Teacher should initiate the discussion on following topics, which will revolve around the core topic of the chapter like, What's your view on the states of matter that matter exists? ➤ Vision to acquire knowledge of the states of matter. ➤ They need to know of the properties of the states of matter. ➤ They would know of the Solid, Liquid and Gaseous state along with BEC and Plasma	For Average ➤ They would made familiar with the states of matter. ➤ They would made to know of the characteristic's properties of the Solid, Liquid and Gaseous state.	

2. Solid State	• The particles of matter are tightly packed. • The particles of matter have strong intermolecular force of attraction in between them. • The solid particles have definite shape and volume • The particles of Solid do not show the property of compressibility. • The particles of Solid do not show the property of Fluidity. • The particles of Solid do not show the property of diffusion. • The particles of Solid have negligible kinetic energy.
3-liquid State	• The particles of matter are loosely tightly packed. • The particles of matter have weak intermolecular force of attraction in between them. • The liquid particles have no definite shape but have definite volume • The particles of Liquid show the property of compressibility. • The particles of Liquid show the property of Fluidity. • The particles show the property of diffusion. • The particles of Liquid have less kinetic energy.
4.Gaseous State	• The particles of matter are loosely tightly packed. • The particles of matter have very weak intermolecular force of attraction in between them. • The gaseous particles have no definite shape nor definite volume • The particles of Gases show the property of compressibility. • The particles of Gases show the property of Fluidity. • The particles show the property of diffusion. • The particles of Liquid have huge kinetic energy.
5.Home Assignment	• What do you mean by Compressibility? Explain in terms gases. • Define Diffusion. Give Examples • Explain why gases diffuses fast as compared to liquids.