

CLASS-09
PHYSICAL SCIENCE
LESSON PLAN
CHAPTER: 01 – MATTER IN OUR SURROUNDINGS

PERIOD NUMBER	CONCEPTS / TEACHING POINTS	PAGES IN TEXT BOOK		TEACHING PROCEDURE	TEACHING LEARNING MATERIAL	EVALUATION
		FROM	TO			
1.	States of matter	1	2	Conversation	Stick, Water, Tea, Petrol, Kerosene, Pen, Milk, Test tube, Measuring jar, Conical flask, Beaker	What are the properties of Solids?
	Properties of solids, liquids and gases			Activity		What are the properties of liquids?
	Shape and volume of solids and liquids			Activity		Does smoke from vehicles is a solid?
2.	Shape and volume of gases	3	3	Conversation	Dhoop stick, Measuring Jar, Chart having CNG information	What is CNG?
				Activity		How can CNG filled in vehicles?
3.	Compressibility	3	4	Activity	Syringe, Copper turing, Nitric Acid, Cotton	Do solids compress?
4.	Diffusion	4	5	Activity	Dhoop stick, Perfume Beaker, Potassium permanganate, Copper sulphate, Water, Ink	What is diffusion?
	Diffusion in liquids			Activity		Which diffuse quickly?
	Diffusion of liquids in liquids/solids in liquids			Activity		Is diffusion takes place in vacuum?
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5.	Speed of diffusion of two gases	5	6	Laboratory Experiment	Glass tube, Cotton wools-2, Hydrochloric acid, Ammonia solution, Scale	What is rate of diffusion?
6.	Solids-liquids-gases	6	7	Activity	Chart with table of substances, Potassium permanganate, Copper sulphate, Beakers-6	How small the particles are?
	State of matter			Conversation		
	Small particles in matter			Activity		
7.	Space between particles in matter Attraction between particles in matter	7	8	Activity	Beaker, Water, Salt, Glucose, Potassium permanganate Three bottles, Sand, Water, Air, Small ball	In which substances the space between particles is more?
8.	How diffusion takes place ?	8	9	Conversation	Dhoop stick, Bromine gas	Is bromine diffuse quickly in air or in vacuum?
				Activity		
9.	Change in state – Effect of temperature	9	10	Activity	Beaker, water, Gas stove with Bunsen burner, Potassium permanganate, Ice, Thermo meter	What are the affecting factors of rate of diffusion?
				Activity		

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10.	Change in state – Effect of temperature	9	10	Activity	Beaker, water, Gas stove with Bunsen burner, Ice, Thermometer	What is Latent heat?
						Is melting is an opposite process to freezing?
						What is the melting point of Ice?
11.	Change in state – Effect of Pressure Evaporation	11	11	Conversation	Chart	What is the effect of pressure on phase change?
12.	Evaporation – Affecting factors of Evaporation	11	12	Activity	Water, Spirit, Watch glasses-2, Beakers-2, Test tubes-2, Droppers-2, Match box	How does wind speed effect the rate of evaporation?
						What are the affecting factors of rate of evaporation?

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