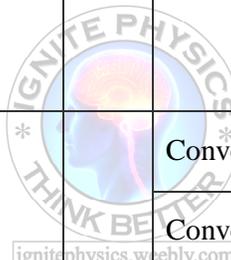


CLASS-10
PHYSICAL SCIENCE
LESSON PLAN
CHAPTER: 09 – CLASSIFICATION OF ELEMENTS – THE PERIODIC TABLE

PERIOD NUMBER	CONCEPTS / TEACHING POINTS	PAGES IN TEXT BOOK		TEACHING PROCEDURE	TEACHING LEARNING MATERIAL	EVALUATION
		FROM	TO			
1.	Ordered arrangement of elements	176	178	Conversation	Chart, Photographs PPT of ordered arrangement like medical shops, cloth centers clips, Departmental stores	Who named the term element at first?
	Dobereiner's law of triad			Activity Conversation		Who classified the elements first? Name any two dobereiner's triads? X, Y, Z are triads. Atomic masses of X and Z are 32, 125. Then Atomic mass of Y is ?
2.	Newland's law of octaves	178	180	Conversation	Chart, Video clip on Newlands octaves, PPT of ordered arrangement like medical shops, cloth centers clips, Departmental stores	What is the basis for classification of elements made by Newlands?
				Conversation		What are the limitations of Newlands octave theory?
<p>NAGA MURTHY- 9441786635 Contact at : nagamurthysir@gmail.com Visit at : ignitephysics.weebly.com</p>						

3.	Mendeleeff's periodic table	180	184	Conversation	Chart, Video clip on Mendeleeff's periodic table, Photographs of different tables made by Mendeleeff	What is the Mendeleeff's periodic law?
	Mendeleeff's periodic law			Conversation		How many periods are there in Mendeleeff's periodic table?
	Limitations of Mendeleeff's periodic table			Conversation		What is the name of element which was named in the honour of Mendeleev ?
4.	Modern periodic table	186	186	Conversation	Chart, Videos on Modern periodic table	What is modern periodic law of elements?
						Who created modern periodic table?
						How many groups in Modern periodic table as per IUPAC?
5.	Modern periodic table	184	186	Conversation	Chart, Magnetic board of Periodic table	How many blocks are there ?
	Places of elements in periodic table			Conversation		In which group do inert gases placed?
	Blocks in modern periodic table			Conversation		What are the majority category of elements? Either metals or non metals?
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content;"> <p>NAGA MURTHY- 9441786635 Contact at : nagamurthysir@gmail.com Visit at : ignitephysics.weebly.com</p> </div>						

6.	Groups in Modern periodic table	187	188	Conversation	Chart, Magnetic board of Periodic table	Which group elements are called Alkali metals?
						Why do Oxygen family called as Chalcogens?
						What is the General valency of Inert gases?
7.	Periods in Modern periodic table	189	190	Conversation	Chart, Magnetic board of Periodic table	Which is the shortest period?
						Which is the longest period?
						How many elements are present in third period?
8.	Metals and Non metals	190	193	Conversation	Chart, Magnetic board of Periodic table, Video clip on Change of properties of elements in Modern periodic table	Name any two metalloids?
	Properties of elements			Conversation		How many meters make a Pico meter?
	Trends in groups and in periods of periodic table			Conversation		How does the atomic radius changes from left to right in a period of modern periodic table?
	Changes in valence & Atomic radius			Conversation		Which has more atomic radius either Oxygen or Fluorine ?
						
<p style="text-align: center;"> NAGA MURTHY- 9441786635 Contact at : nagamurthysir@gmail.com Visit at : ignitephysics.weebly.com </p>						

9.	Changes in Ionisation energy in Periodic table	193	195	Conversation	Chart, Magnetic board of Periodic table, Video clip on Change of properties of elements in Modern periodic table	What are the affecting factors of Ionisation energy?
	Affecting factors of Ionisation energy			Conversation		The energy released when an electron introduced in an atom is ?
	Changes in Electron affinity in Periodic table			Conversation		What happened to ionization energy when Atomic size increases?
10.	Electro negativity –changes in periodic table	196	196	Conversation	Chart, Magnetic board of Periodic table, Video clip on Change of properties of elements in Modern periodic table	Which element has the greatest electro negativity value?
	Metallic and non metallic properties			Conversation		Is non metallic property increases from top to bottom in a group? Name any two best metalloids? Which element has the least electro negativity value?

NAGA MURTHY- 9441786635
 Contact at : nagamurthysir@gmail.com
 Visit at : ignitephysics.weebly.com