WORKSHEET-1					
I]Choose the correct answer from the options given bell  1.The law of octaves was proposed by:  (A)Newland  (B)Doberiener	low:				
(C)Lother Meyer (D)Mendeleev					
2. The scientist who made maximum contribution towards Periodic table was					
a)Chadwick b)Rutherford c)Dalton d)Mendeleev					
3. Which is not true about noble gases?					
a)They are non metallic in nature.	b)They exist in atomic form.				
They are radioactive in nature d)Xenon is the most reactive em.					
4. Which of the following properties does not match elements of Halogen family?					
a)They have seven electrons in their valence shell . Chemically	c)They are highly reactive.				
b)They are diatomic in their molecular form.	d)They are metallic in nature.				
5. Which of the following elements have maximum metallic character?					
a)Li b) N c) Na d) P					
II]Answer the following questions:					
1. What is meant by periodicity in properties?					
2. What was the necessity of classifying the elements?					
3. What was the criteria used by Mendeleev in creating his periodic table?					
4. Besides Gallium which two other elements have since been discovered that fill the gaps left by Mendeleev in creating his periodic table?					
5. What were the limitations of Mendeleevs periodic table?					
6. What were the Limitations of Dobereiners Law of traids?					
7. Use Mendeleev periodic table to predict the formula for the oxides of the following elements; K , C , Al , Si , Ba.					

9. Which physical and chemical properties of the elements were used by Mendeleev in creating his periodic table? List two observations which posed a challenge to Mendeleev periodic law?

10. What is the name given to the element present in Group 17?

8. Why did Mendeleev leave gaps in his periodic table/

\*\*\*\*\*\*\* \*\*\*\*\*\*\* \*\*\*\*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\*