

O9. CLASSIFICATION OF ELEMENTS

- Why the following group of atoms called Dobereiner triad?
Lithium Sodium Potassium
- How the name 'Halogens' was given to some elements ?
- How the Ionisation Potential changes from Be (Beryllium) to Ra (Radium) in II A group in the modern periodic table?
- Identify the following elements for which period and group they belongs to
(i) Nitrogen (ii) Calcium (iii) Aluminium (iv) Potassium
- Write a brief note or your opinion on the place of Helium in modern periodic table.
- The electronic configurations of 'P' and "Q" are 2, 8, 1 and 2, 6 respectively.
Then (i) Which forms anion ?
 (ii) What is the valency of "P" ?
- Complete the following table.

Atomic number	Element Name	Symbol	Electronic configuration
6			$1s^2 2s^2 2p^2$
	Oxygen		
		Na *	

- Identify the group and periods of the elements having atomic number 14 and 24 in the modern periodic table.
- Name any two elements which were named after Scientists .
- What are the affecting factors of ionization energy ?