



ASIAN INTERNATIONAL SCHOOL

Class –X

SUBJECT -CHEMISTRY

Assignment NO. 1 Periodic Classification of Elements

1. Out of Li and K which will have stronger metallic character and why?
2. The atomic numbers of three elements A,B and C are 12, 18 and 20. State giving reasons which two elements will show similar properties.
3. What would be the nature of oxides formed by the elements on the right side of the periodic table.
4. Why does the atomic size decreases as we move from left to right along a period in a periodic table.
5. Li, Na and K form Dobereiner's Triad. The atomic number of Li and K are 7 and 30 respectively. Predict the atomic mass of Na.
6. The formula of magnesium oxide is MgO. State the formula of barium nitrate and barium sulphate if barium belongs to the same group of magnesium.
7. Calcium is an element with atomic number 20.
 - (a) Will it be a metal or non metal?
 - (b) What will be its valency?
8. Arrange the following elements in increasing order of their atomic radii
 - (a) Li, Be, F and N
 - (b) Cl, At, Br and I
9. Name the element with atomic number 19
 - (a) In which group it is placed?
 - (b) To which period does it belong?
 - (c) Write its electronic configuration.
10. Write the formula which is used to determine the maximum number of electrons that a shell can accommodate.