

PERIODIC CLASSIFICATION OF ELEMENTS

Points to Remember

- ❖ Modern periodic law states that, the physical and chemical properties of the elements are the periodic functions of their atomic numbers.
- ❖ The table in which elements are arranged in rows and columns in regular gradation is called periodic table.
- ❖ Smelting is the process of reducing the roasted metallic oxide into metal in molten condition.
- ❖ Dilute or con. HNO_3 does not attack aluminium metal, as it renders aluminium passive due to oxide film formation on its surface.
- ❖ The charge used in the metallurgy of iron consists of roasted ore, coke and limestone in the ratio, 8:4:1.
- ❖ Copper vessel on exposure to air and moisture forms a green layer on its surface due to basic copper carbonate.
- ❖ An alloy is a homogeneous mixture of two or more metals.
- ❖ An amalgam is an alloy of mercury with another metal. E.g. Ag-Sn amalgam is used for dental filling.
- ❖ The chemical name of rust is hydrated ferric oxide and its formula is $\text{Fe}_2\text{O}_3 \cdot x\text{H}_2\text{O}$.