

METALS AND NON-METALS

GLOSSARY:

- **Acidic oxide:** The oxide, reacting with a base to form a salt.
- **Activity Series of Metals and Non-metals:** An invaluable aid to predict the products of replacement reactions.
- **Alloy:** A homogeneous mixture of 2 or more metals and non metals in a definite proportion in their molten state.
- **Amphoteric oxide:** The oxide that reacts with acid as well as base.
- **Atomicity:** The number of atoms in the molecules of an element.
- **Basic oxide:** The oxide that reacts with an acid to form a salt.
- **Boiling Point:** The temperature, at which the liquid material converts into gas.
- **Brittle:** The property of a material to get fractured, when applied stress on it.

- **Density:** The mass per unit volume of a material.
- **Ductile:** Easily drawn into wire or hammered thin.
- **Electrical Conductivity:** The ability of a material to transfer electricity.
- **Electronegative:** The ability to get electrons and to form a negative ion.
- **Electronic Configuration:** The arrangement of electrons in an atom, molecule or other body.
- **Electropositive:** The ability to donate electrons and form a positive ion.
- **Energy:** The capacity of a physical system to perform work.
- **Hardness:** The degree, to which a metal may be scratched, abraded, indented, or machined.
- **Lustrous:** The element, having shiny surface.
- **Malleable:** Capable of being shaped or formed by hammering or pressure.

- **Melting Point:** The temperature, at which the solid material converts into liquid.
- **Metal:** A chemical element, being a good conductor of both electricity and heat, forming cations and ionic bonds with non-metals.
- **Metalloid:** Elements, having properties of metals and non metals both.
- **Neutral oxide:** The oxide, not reacting with acid and base.
- **Non Metal:** An electronegative element, occurring as solid, liquid or gas.
- **Sonorous:** The property to produce sound on collision.
- **Tensile Strength:** The ability of material to resist a force that tends to pull it apart.
- **Thermal Conductivity:** The ability of a material to transfer heat.
- **Valency:** The phenomenon of forming chemical bonds.