

Important Definitions

Periodicity: The properties that reappear at regular intervals or in which there is gradual variation at regular intervals are called 'periodic properties' and the phenomenon is known as periodicity of elements.

Valency: Combining capacity of the atom of an element.

Nuclear Charge: It is the positive charge present in the nucleus of an atom, which is equal to the number of protons in the nucleus i.e. atomic number.

Electron Affinity: Amount of energy released while converting a neutral isolated gaseous atom into a negative or negatively charged gaseous ion by the addition of electron.

Ionisation Potential: The energy required to remove electrons from a neutral isolated gaseous atom and convert it into a positively charged gaseous ion is called ionisation potential.

Electronegativity: tendency of an atom in a molecule to attract the shared pair of electron towards itself.