Atomic radius: Size of atom

Valency: Number of valence electrons (outermost shell)

Electronegativity: Affinity of an atom to pull in electrons (high electronegativity means good at pulling electrons)

Ionic radius: Size of ion

Melting point: Temperature at which it goes from solid to liquid

First ionization energy: Energy associated with removing 1 electron from an atom (outermost, highest energy)