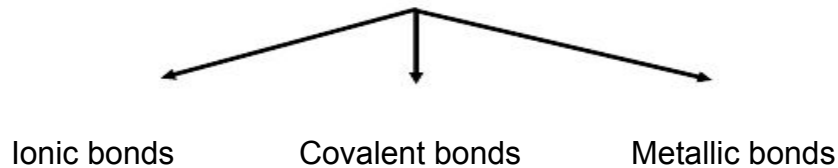


Chemical Bonds

Chemical bond: the force that holds two atoms together.



Elements want to have a full outer shell of electrons in order to be stable.

Ion: an atom or group of atoms that has an electric charge because of the gain or loss of electrons.

Ionic bonds: Form between positive and negative ions; metals and nonmetals.

Only the arrangement of electrons has changed. Nothing about the atom's nucleus has changed.

Cation: Positively charged ion

Anion: Negatively charged ion.