

Linus Carl Pauling 1901-1994

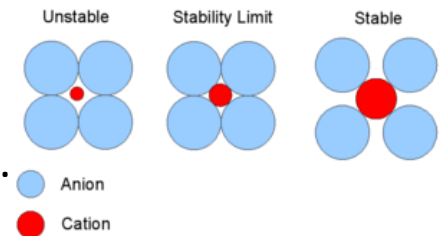
USA

Nobel-Chemistry 1954

Nobel – Peace 1962

Pauling laws for the stability of ionic crystals:

1. Law of radius ratios.
2. Law of Valency and local charge balance.
3. Shared faces, edges and vertices of unit cell.
4. Crystals containing different cations.
5. Parsimony in unit cells symetries.

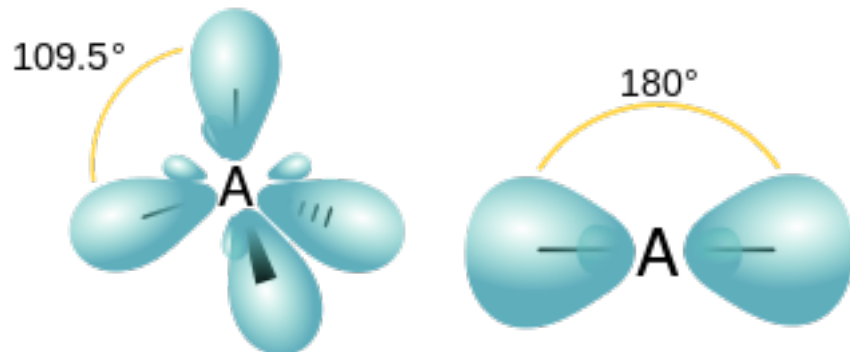


The chemical bond

Wrong interpretation of DNA structure – tripple helix



Hybridization between electronic orbits
Binds atoms, and is the reason
For the tetrahedral structure of carbon.



Alpha & Beta coils
In proteins



Vitamin C

