

BSC1010, Ch. 2 Chemistry, Summary Lecture Notes

Subatomic particles

Atoms

Atomic number

Atomic weight (mass)

Isotopes

Ions

Electron shells

Energy levels of electrons

Molecules

Covalent bonds: atoms "react" to fill their outer shell

Nonpolar covalent bonds

Polar covalent bonds

Hydrogen bonds

Ionic bonds

Chemical reactions

Role of shape

Chemical equilibrium