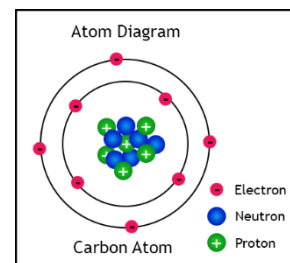
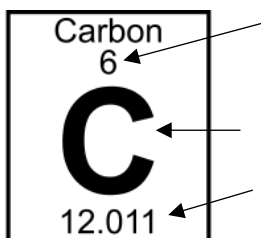


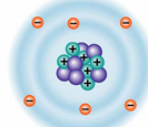
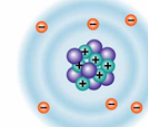
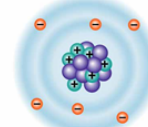
Lesson 1.2A - Atom, Bonding & Polarity

Video #1

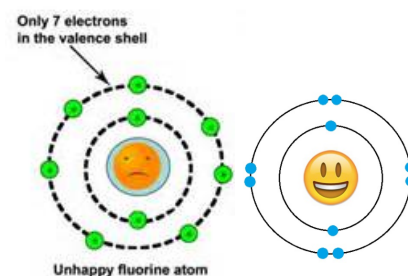
Subatomic Particles:



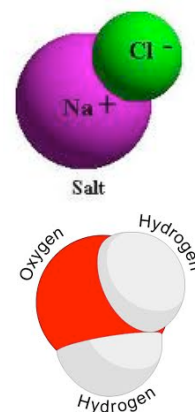
Isotopes:

Nonradioactive carbon-12	Nonradioactive carbon-13	Radioactive carbon-14
		
6 electrons 6 protons 6 neutrons	6 electrons 6 protons 7 neutrons	6 electrons 6 protons 8 neutrons
98.9 %	1.1%	<0.0001%

Why Are Electrons Important?



Chemical Bonds (Intramolecular):



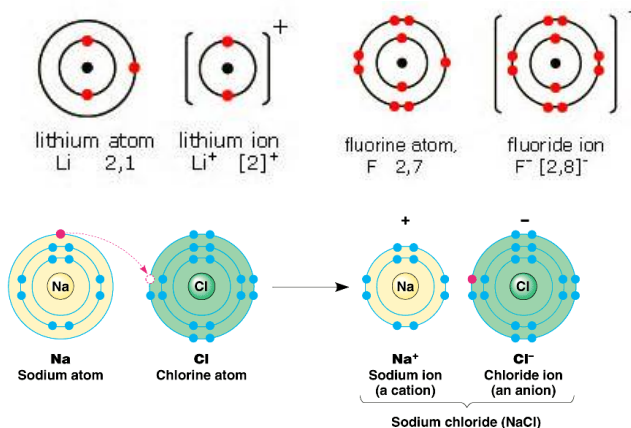
IONIC

Cations –

Anions –

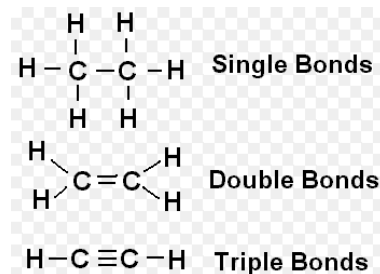
Ionic Bonds –

Octet Rule -

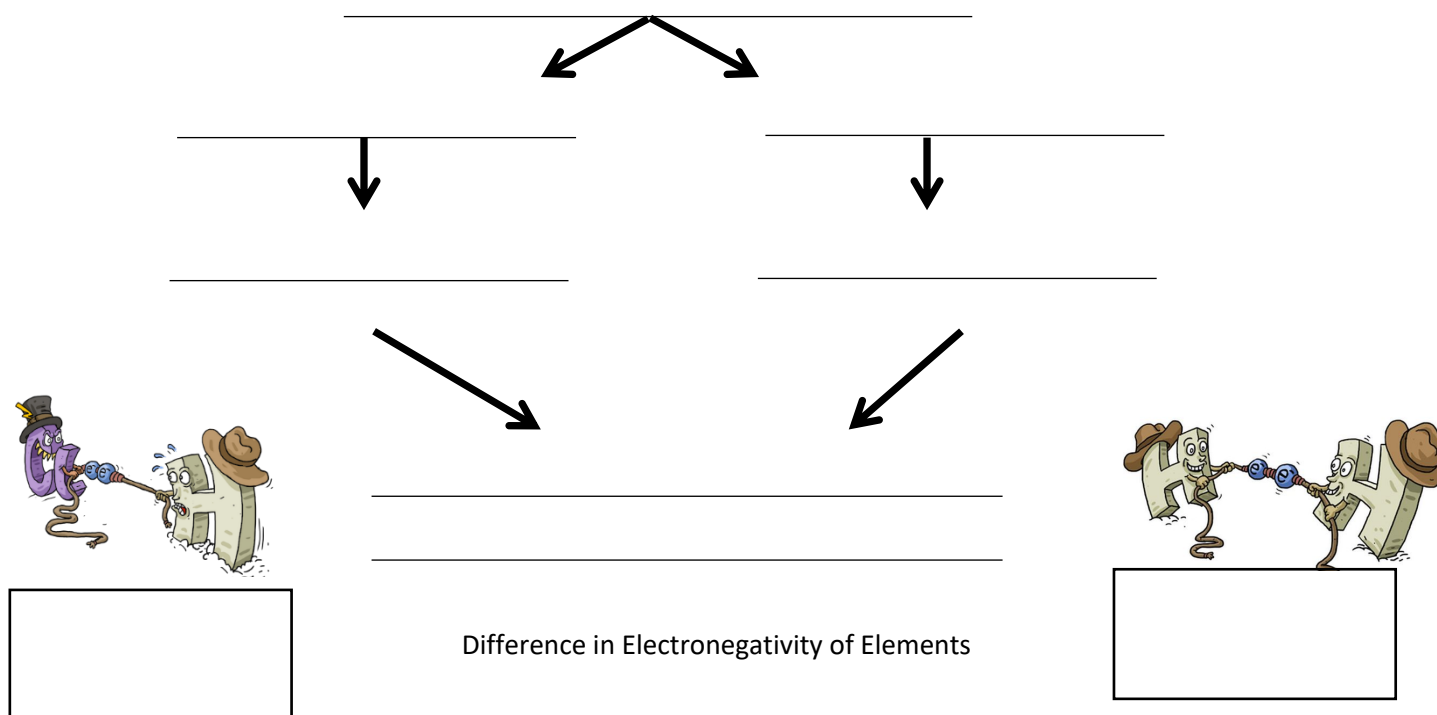


COVALENT

Covalent Bonding –

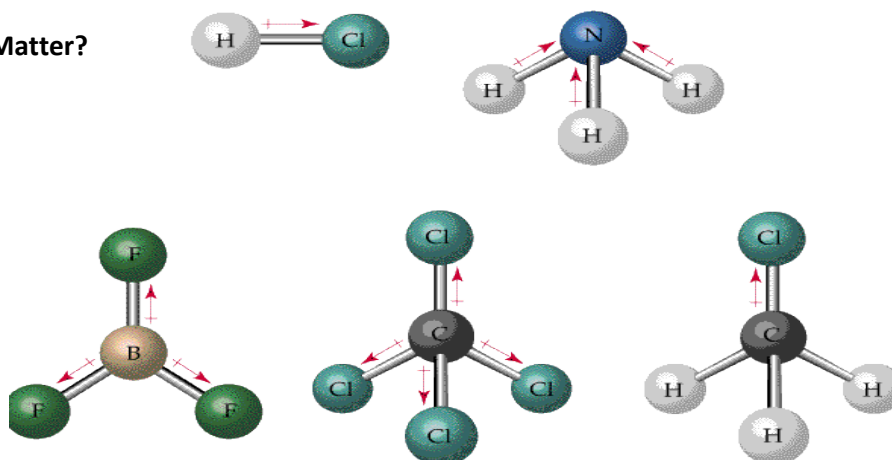


Polarity –



Electronegativity –

Does Shape Really Matter?



Dipoles -

