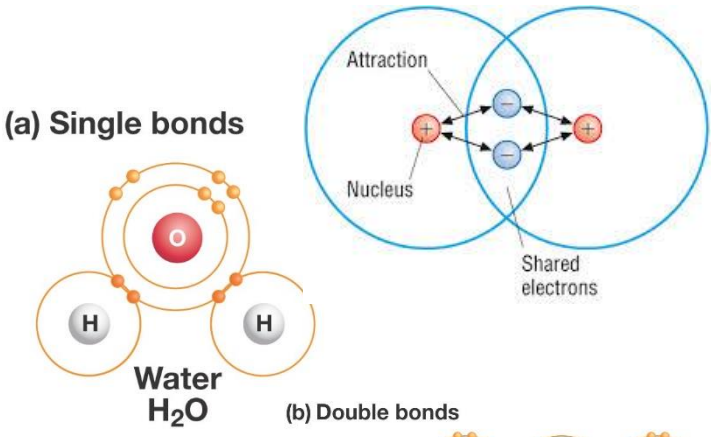
Topic 4: Covalent Compounds

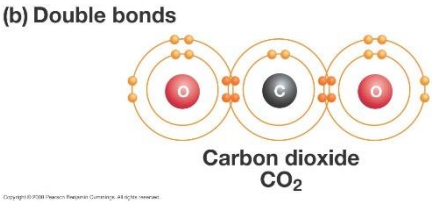
Covalent Bond:



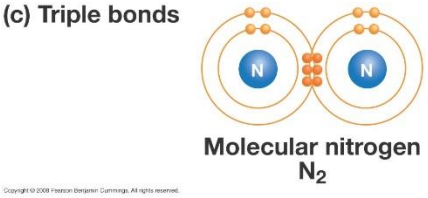
Single Bond:

Double Bond:

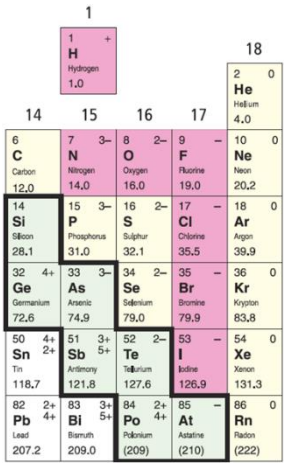
Triple Bond:

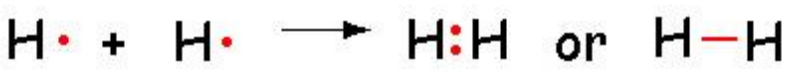


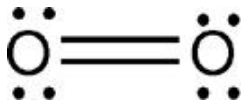
Diatomic Molecule:



Drawing Bonds:







Naming Molecular Compounds: Greek Prefix Systems

1.

2.

3.

Remember:

Practice

a) P_2O_5 -

b) SF_4 -

c) CO_2 –

Prefix	Number of atoms
Mon(o) –	1
Di-	2
Tri-	3
Tetra –	4
Penta –	5
Hexa -	6
Hepta-	7
Octa -	8
Nona-	9
Deca-	10

Writing Formulas for Molecular Compounds:

Combining Capacity:

If the molecule name is not given:

1.

2.

3.

4.

4	3	2	1
			H
C	**N**	**O**	**F**
Si	**P**	**S**	**Cl**
	As	**Se**	**Br**
			I

Practice

b) Nitrogen & sulfur -

c) Oxygen & fluorine -

d) Silicon and oxygen –