**Compound Names & Formulas HW#4**

***Name the following compounds and give the atom ratios***

1. CH4

carbon tetrahydride (methane)

1 C : 4 H

1. CF4
2. CCl4
3. CBr4
4. CI4
5. N2O
6. N2O3
7. N2O4
8. N2O5
9. NO2

**Give the formula for the following compounds and give the atom ratios**

1. carbon monoxide

CO

1 C : 1 O

1. carbon dioxide
2. carbon disulfide
3. chlorine trifluoride
4. dichlorine heptoxide
5. sulfur hexafluoride
6. nitrogen monoxide
7. nitrogen dioxide
8. dihydrogen monoxide
9. phosphorus trichloride

***Name the following compounds and give the atom or ion ratio***

1. SrBr2

strontium bromide

1 Sr2+ : 2 Br-

1. NaCl
2. KI
3. HgO
4. Hg2O
5. As2O3
6. NO
7. CaS
8. FeO
9. Fe2O3

***Give the formula for the following compounds and give the atom or ion ratio***

1. iron (III) sulfide

Fe2S3

2 Fe3+ : 3 S2-

1. iron (II) sulfide
2. tetraphosphorus decoxide
3. silicon dioxide
4. silicon disulfide
5. silicon diselenide
6. copper (I) chloride
7. copper (II) chloride
8. sodium chloride
9. calcium chloride