**Compound Names & Formulas HW#3**

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

1. CaO

calcium oxide

1 Ca2+ : 1 O2-

1. NaBr
2. NaI
3. Na2O
4. Na2S
5. Na2Se
6. Na2Te
7. Na3N
8. Na3P
9. Al2Se3

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

1. sodium nitride

Na3N

3 Na+ : 1 N3-

1. cesium chloride
2. cesium bromide
3. cesium iodide
4. barium oxide
5. barium sulfide
6. barium selenide
7. calcium nitride
8. aluminum fluoride
9. gallium fluoride

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

1. TiF4

titanium(IV) fluoride

1 Ti4+ : 4 F-

1. FeO
2. Fe2O3
3. FeS
4. Fe2S3
5. Ag2O
6. AgO
7. Zn3N2
8. ZnCl2
9. CrI3

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

1. iron (II) chloride

FeCl2

1 Fe2+ : 2 Cl-

1. nickel (III) bromide
2. nickel (II) bromide
3. nickel (III) iodide
4. nickel (II) iodide
5. copper (I) oxide
6. copper (II) oxide
7. lead (II) oxide
8. lead (IV) oxide
9. lead (II) phosphide