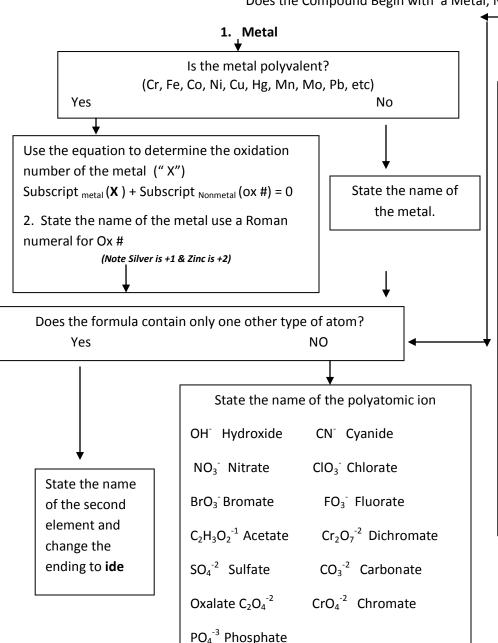
## Naming Compounds Flow Chart

4. NH<sub>4</sub> <sup>+</sup>Ammonium -state name

Ammonium then follow flow chart

Does the Compound Begin with a Metal, Nonmetal, Hydrogen or Ammonium?



Use a prefix to state the number of atoms of the first element. state the name of the element. Use the prefix for the second Change ending to ide

2. Non-metal other than Hydrogen

1 mono (2<sup>nd</sup> only)

2 di

3 tri

4 tetra

5 penta

6 hexa

7 hepta

8 octa

9 nano

10 deca

Is there only one other element?

3. Hydrogen (It's an acid!)

Use the prefix hydro state the element/polyatomic change ending to ic add acid

> Is Oxygen one of the elements? No Yes

Polyatomic Ion- follow chart for # oxygen vs back of chart Oxygen Prefix ending +2 hyper ic +1 per ic ate ending ic -1 ous -2 hypo ous Then add acid at the end