Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Assign:\_\_\_\_

**Naming Acids and Bases Video -** [**http://youtu.be/w9JHxp29ix0**](http://youtu.be/w9JHxp29ix0)

**Binary Compounds – Two elements**

1. What does hydrogen get changed to in an acid?
2. What suffix gets added to the non-metal?
3. What word gets added to the end of the acid?
4. What would the following examples be?
   1. HCl
   2. HF

**Ternary Compound – Three elements**

1. Any time the acid ends in what… do you replace it with an “ic” and drop the hydrogen in the name?
2. What is the way he remembers this?
3. What would the following examples be?
   1. HNO3
   2. HClO3
4. Any time the acid ends in what… do you replace it with an “ous” and drop the hydrogen in the name?
5. How does he remember this?
6. What would the following be?
   1. H2SO3

**Naming Bases**

Easy peasy… name the metal (full name) and then the OH ion is called a hydroxide… so tack that on the end.

1. LiOH = Lithium hydroxide
2. Ca(OH)2 =
3. NH4OH (NH4 is ammonium) =
4. KOH =