**Writing Formula Practice Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Write out the following compounds or molecules:**

1. Nitrogen
2. Hydrogen
3. Nitrogen Trihydride
4. Carbon
5. Iron (III) Oxide
6. Iron
7. Carbon Monoxide
8. Carbon Dioxide
9. Water
10. Hydrogen Carbonate

**Write out the formula and include common symbols (g, l, s, aq)**

1. One unit of Nitrogen gas reacts with three units of Hydrogen gas to produce two units of Nitrogen Trihydride gas (ammonia)
2. Three units of solid Carbon plus one unit of solid Iron(III) Oxide react to make two units of solid Iron and three units of Carbon Monoxide gas.
3. One unit of Carbon Dioxide gas and one unit of liquid water will combine to produce one unit of Hydrogen Carbonate dissolved in water.

**List the number of atoms for each element.**

1. H2O H = O =
2. 4Al2S3 Al = S =
3. Na4NO8 Na = N = O =
4. Al5(SO4)4 Al = S = O =
5. Ba2(PO4)3 Ba = P = O =
6. 2HNO3 H = N = O =
7. 3ZnCl2 Zn = Cl =
8. 5Cd(NO3)2 Cd = N = O =
9. 4H2S3  H = S =
10. 2Na2SO4 Na = S = O =