**STOICHIOMETRY WEB QUEST**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please visit the following websites, follow the directions, and answer the questions.

**Intro into Stoichiometry:**

<http://www.chemteam.info/Stoichiometry/What-is-Stoichiometry.html>

Read through this website and write down the following information.

1. What are the two Greek words that the word “Stoichiometry” was derived from?
2. What do these two words mean?
3. Who was the first man to come up with the ideas of Stoichiometry?
4. State three things that you will need to be able to use to do Stoichiometry
5. Write the 4 steps involved in solving Stoichiometry problems in your own words

**Molar Ratios:**

<http://www.chemteam.info/Stoichiometry/Molar-Ratio.html>

Read through this section, especially if you are having difficulties with understanding molar ratios.

1. State the source for molar ratios
2. State the molar ratio of H2 and O2 in the formation of water reaction.
3. State the molar ratio between O2 and H2O in the formation of water reaction.
4. State the molar ratio between H2 and H2O in the formation of water reaction.
5. Write down and solve the five practice problems for this section.

**Mole-Mole Problems:**

<http://www.chemteam.info/Stoichiometry/Mole-Mole.html>

Read through this section carefully.

1. What happens if you are given a reaction that is not balanced?
2. How do you know what ratio to use with these problems?
3. What method do they use to solve these problems?
4. Read through Example #1 carefully and read through the “Solution Comments” section for this example. Write down the problem and solve it out on your own using this cross multiplication method.
5. Complete Example #2 in the same way as above and read through Example #3.
6. Complete at the four practice problems provided