Chemistry   Name _____

eDay Assignment #3   Date _____ Per _____

Watch the following video on Stoichiometry and then answer the following questions.

https://www.youtube.com/watch?v=LQq203gyftA

The video is also linked directly on the class website – loganchemistry.weebly.com.

1. What is stoichiometry? _____

2. Mr. Anderson relates stoichiometry to what type of game? _____

3. What do the coefficients tell us? _____

4. What should always be your first step in solving these problems?

5. What is a Limiting Reactant?

6. What is the percent yield equation (don't solve it, simply state it)?

Show your work for the following problems. Don't forget units!

7. If you have 24.6 g CH_4, how many grams of H_2O would you produce given the following

   reaction:

        $CH_4 + 2\ O_2 \rightarrow CO_2 + 2\ H_2O$
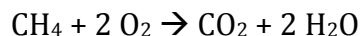
8. If you have 10.0 g CH$_4$ and 10.0 g O$_2$, how many grams of CO$_2$ is produced (still use reaction listed on the other side)?

9. What was the limiting reactant in this problem?