

Name _____ Per _____

Unit 4 Benchmark #3 – Stoichiometry – Practice

Each question is worth 4 points. You must show all of your work.

Put your answer in the space provided! No Work = No Credit!

1. How many grams of nitrous oxide (N_2O) must be decomposed in order to produce 64 grams of oxygen gas, O_2 ?



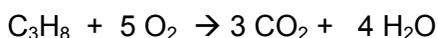
_____grams

2. How many grams of water are produced by burning 32 grams of methane, CH_4 ?



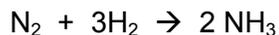
_____grams

3. How many grams of oxygen are needed for the complete combustion of 11 grams of propane, C_3H_8 ?



_____grams

4. How many grams of hydrogen gas are needed to produce 34 grams of ammonia, NH_3 ?



_____grams