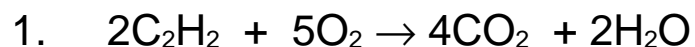


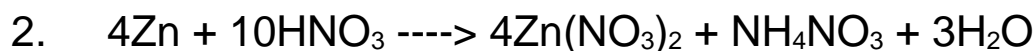
Answer on a Separate Paper

Chemistry II: Limiting Reactants

Directions: Use sections 8.6 and 8.7 as a reference. Show all your work with units for full credit. Round your answers to the correct number of significant digits.



- If 26 grams of C_2H_2 and 96 grams of O_2 are put into the container, how many grams of CO_2 will be made?
- If 39 grams of CO_2 are made, how many grams of H_2O is made?
- At STP, 36.5 L of O_2 is used, how many liters of CO_2 is made?



- How many atoms of zinc react with 1.49 grams of nitric acid?
- Which chemical is the limiting reactant if 235.40 g of Zn and 2930 mL of a 3M solution of nitric acid are used?
- 3.1 grams of zinc react with an excess of nitric acid to produce 0.51 grams of water, what is the % yield?
- 6.3 grams of zinc react with an excess of nitric acid produces a yield of 88%. What is the produced amount in grams of water?