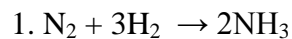


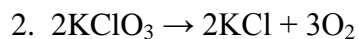
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Name: \_\_\_\_\_

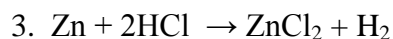
### Stoichiometry: Mole-Mole Problems



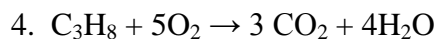
How many moles of hydrogen are needed to completely react with 2.00 moles of nitrogen?



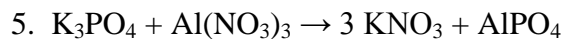
How many moles of oxygen are produced by the decomposition of 6.00 moles of potassium chlorate?



How many moles of hydrogen are produced from the reaction of 3.00 moles of zinc with an excess of hydrochloric acid?



How many moles of oxygen are necessary to react completely with 4.00 moles of propane ( $\text{C}_3\text{H}_8$ )?



How many moles of potassium nitrate are produced when 2.00 moles of potassium phosphate react with 2.00 moles of aluminum nitrate? (2 problems, determine for each reactant)