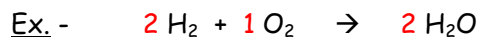


Notes - Stoichiometry

- Stoichiometry is the math used to relate the amount of reactants in a chemical reaction to the amounts of products produced by the reaction.

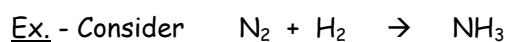
- To see this relationship, one must have a balanced chemical reaction.



- This balanced equation forms the foundation of the relationship. The reaction above shows that 2 hydrogen gas molecules are needed to react with 1 oxygen gas molecule for the reaction to proceed properly.

- The above reaction is still balanced if

- The key is the relationship is



a.) How many molecules of N_2 are required to react with 15 *molecules* of H_2 ?

b.) How many moles of NH_3 are produced when 18 *moles* of H_2 are reacted?