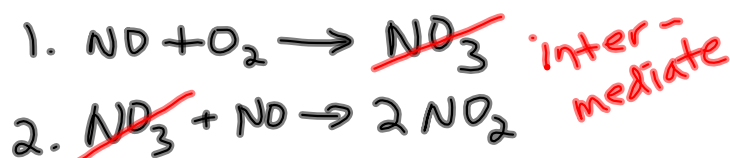
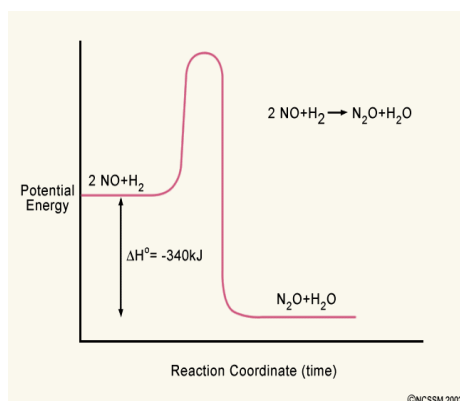


## Reaction Mechanisms and Rate-Determining Step

Text - page 477

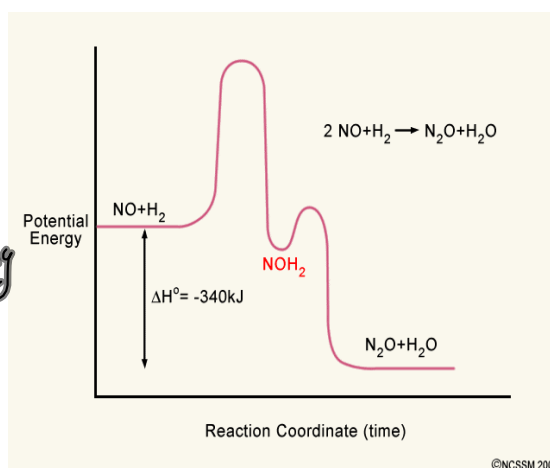


This reaction is made up of several steps called elementary reactions.



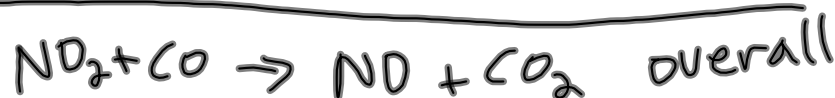
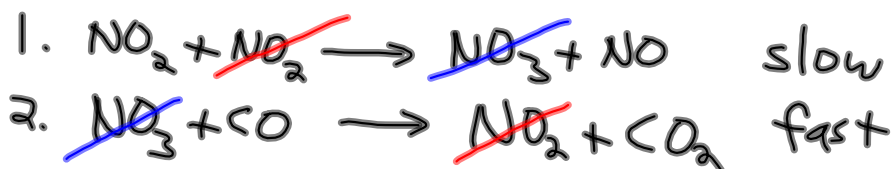
*NO<sub>3</sub> is produced then used up in a later step.*

This could represent a two-step rxn.  
Step 1 is rate determining (slow)



Example - Given rxn. mechanism, write the overall rxn.

Write the overall rxn given -



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p. 486 #10, 11

## Experimental Rate Law

Rate Law - communicates how the concentration of each reactant affects the rate of reaction

