The 4 Most Important Mechanistic Elements

The following are expressed from the point of view of the carbon-containing molecule taking part in a reaction

1) <u>Make a bond</u> between a nucleophile and electrophile.

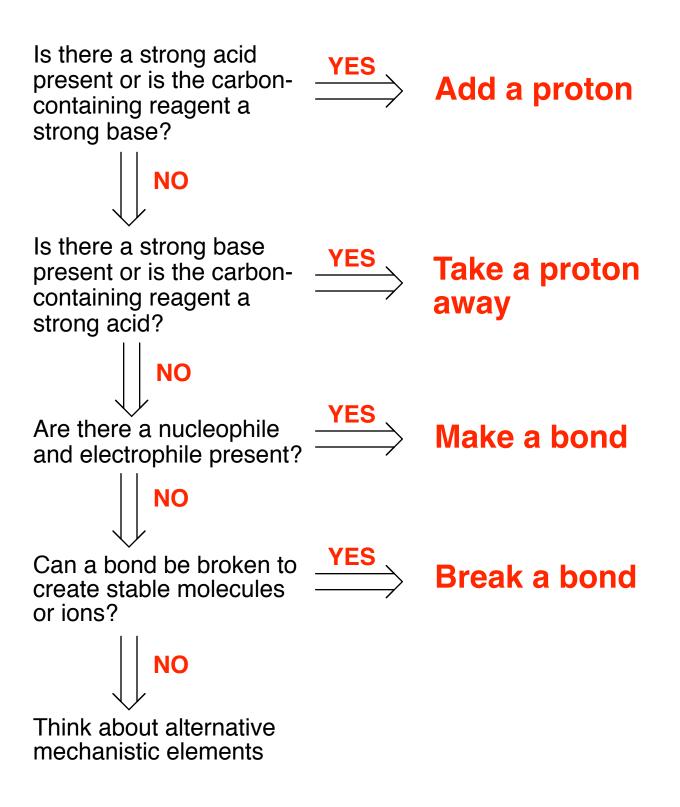
2) **Break a bond** to give stable molecules or ions.

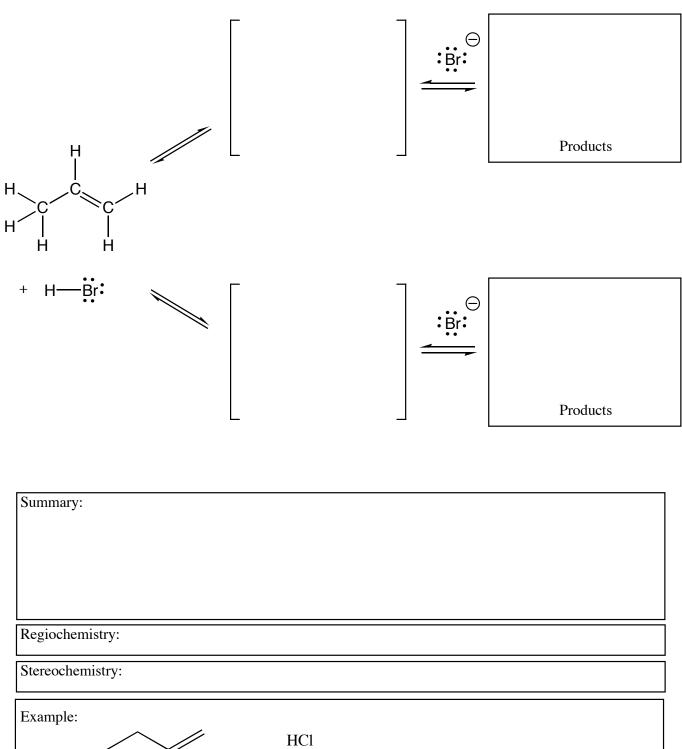
3) Add a proton

4) Take a proton away

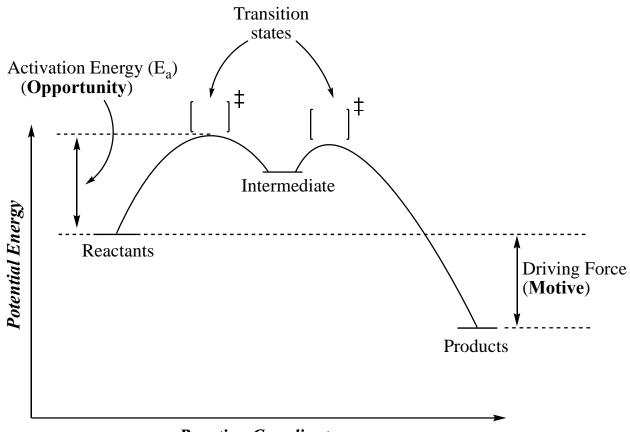
Mechanism Summary

The following questions and mechanistic elements are described from the point of view of the carbon-containing reagent, written in the form of a flowchart.

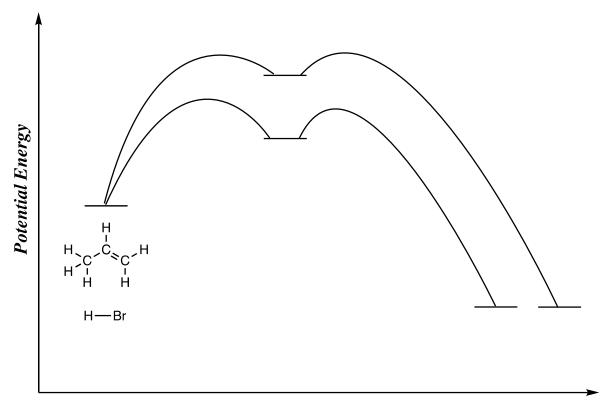






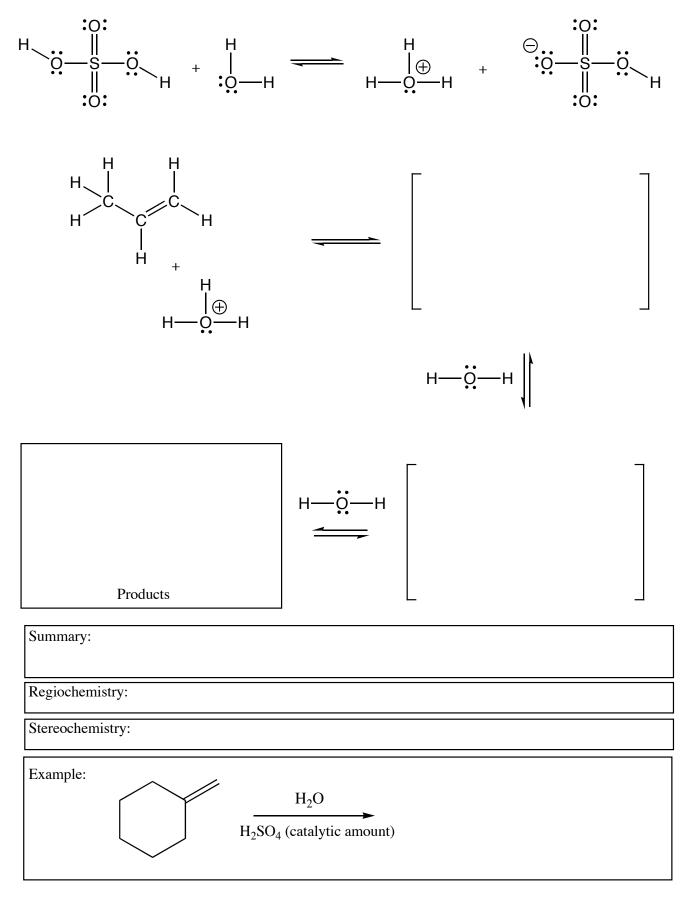


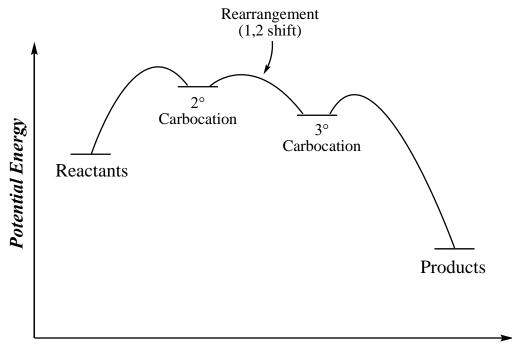
Reaction Coordinate



Reaction Coordinate

Acid-catalyzed Hydration of an Alkene





Reaction Coordinate

Cation Rearrangement

