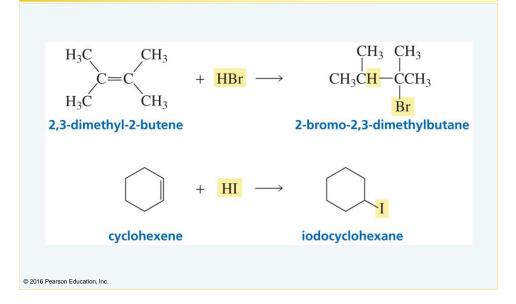
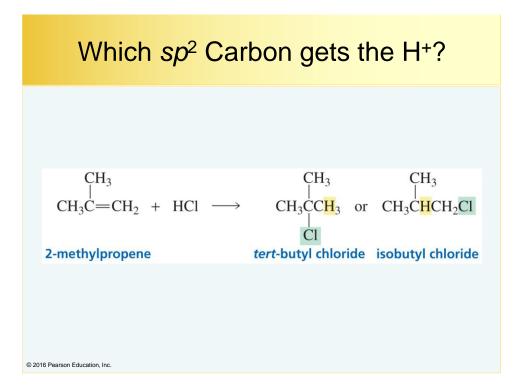
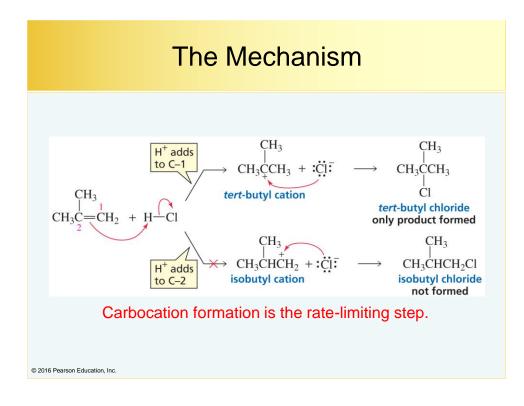


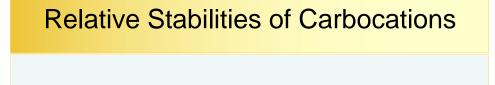
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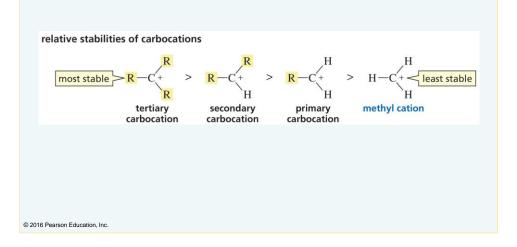
Addition of Hydrogen Halides

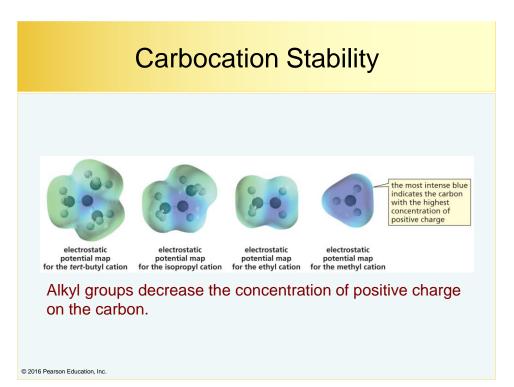


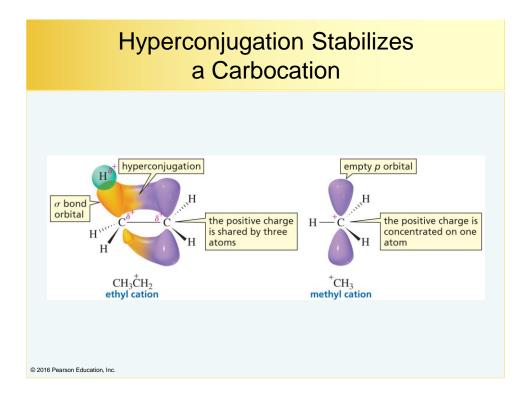


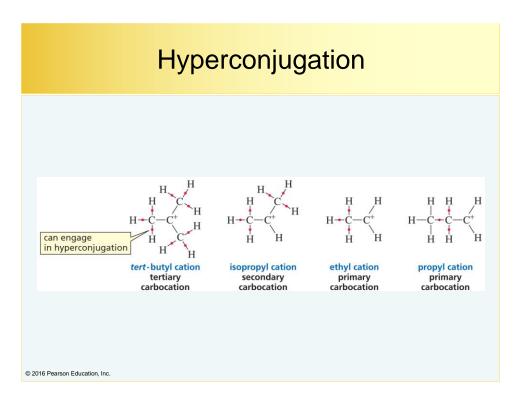


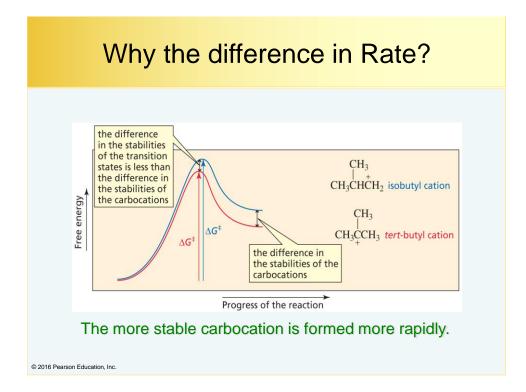


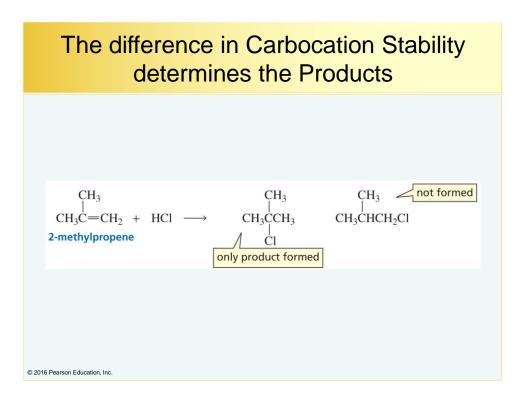


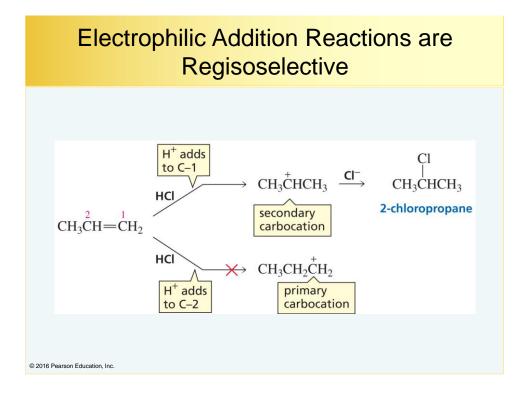






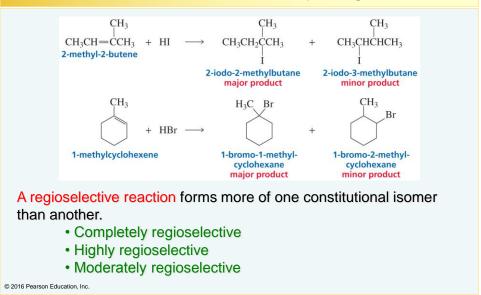


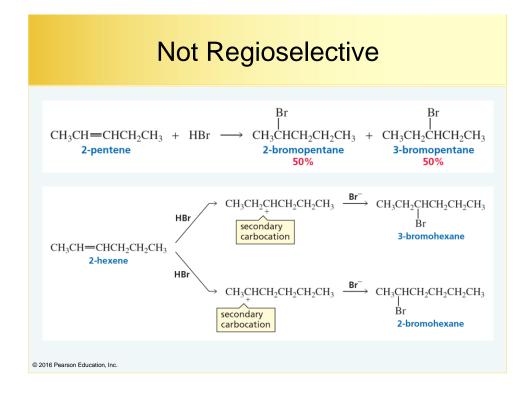


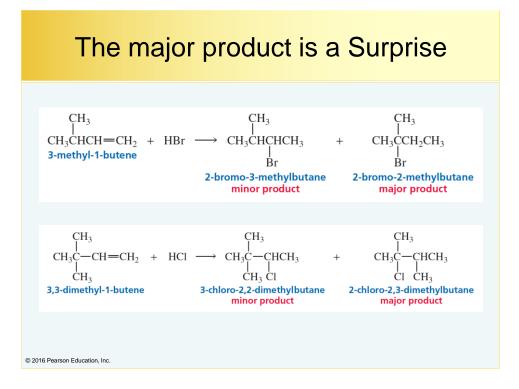


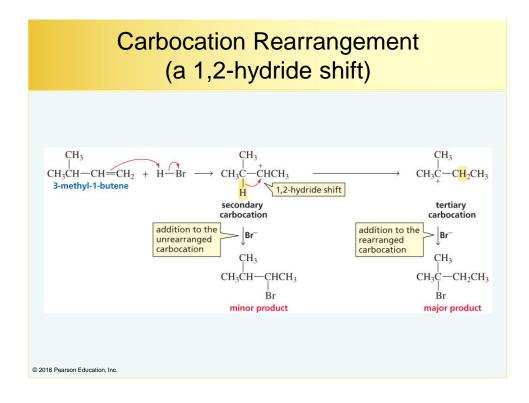
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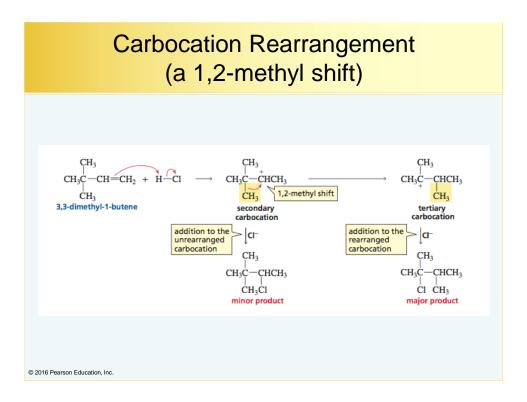
The Electrophile adds to the *sp*² Carbon bonded to the most Hydrogens

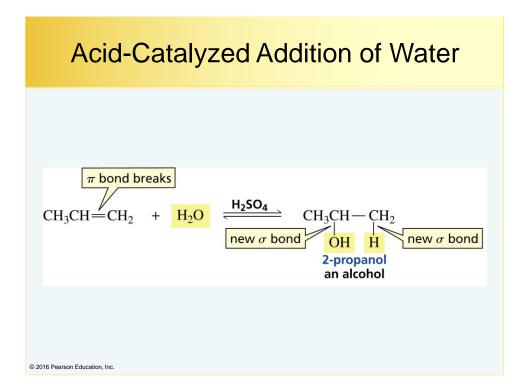


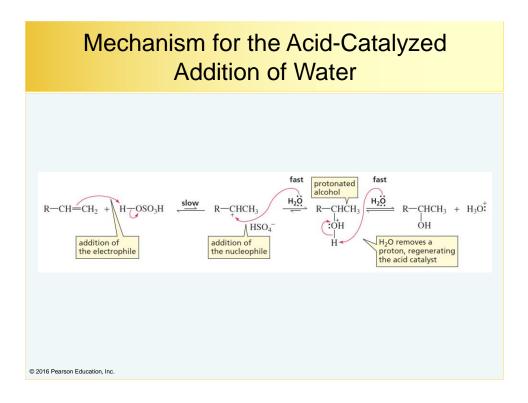


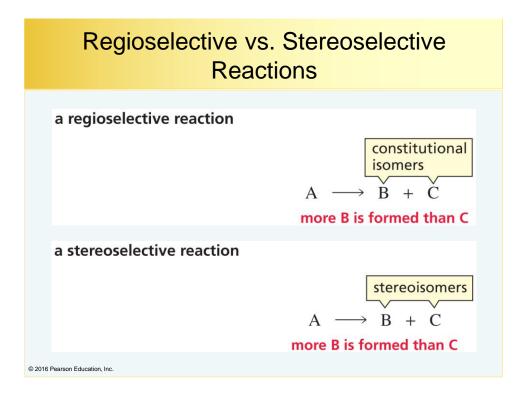


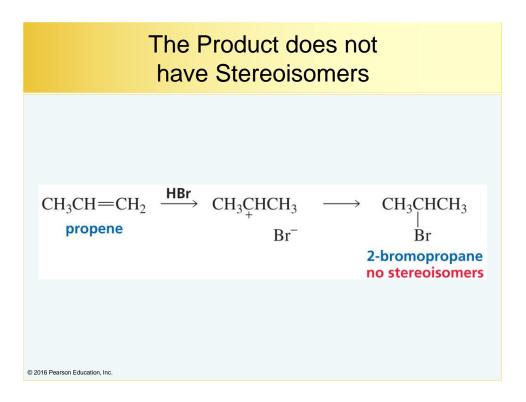


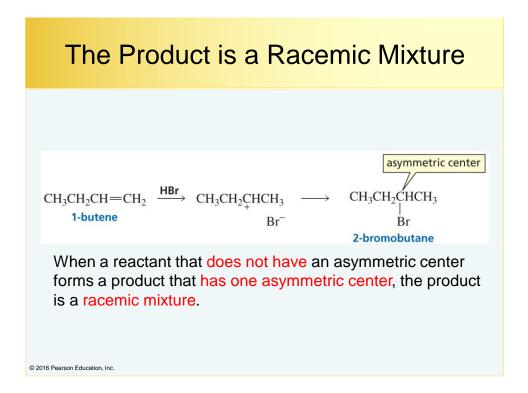


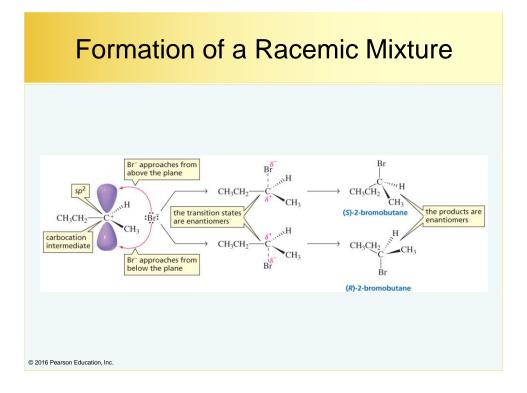


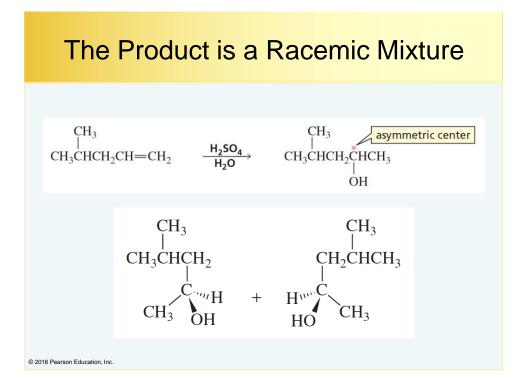


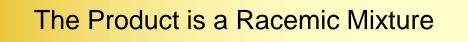


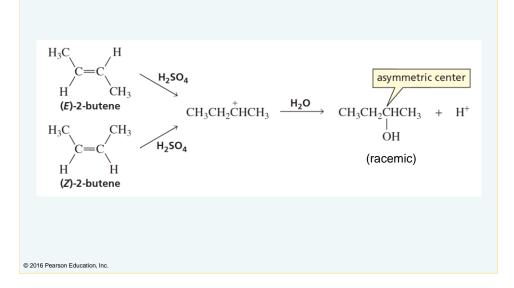




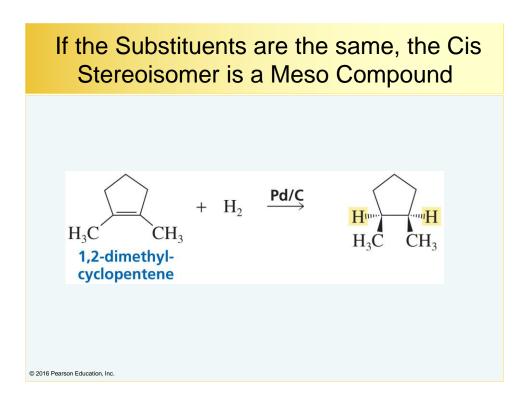


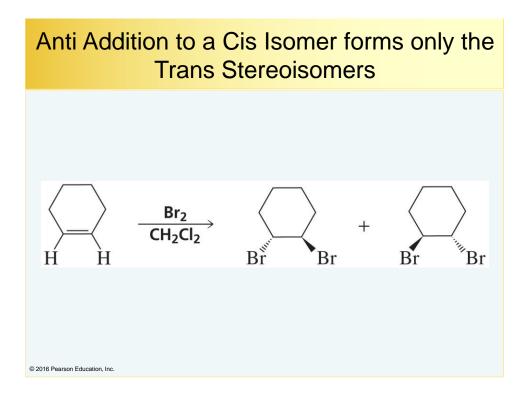




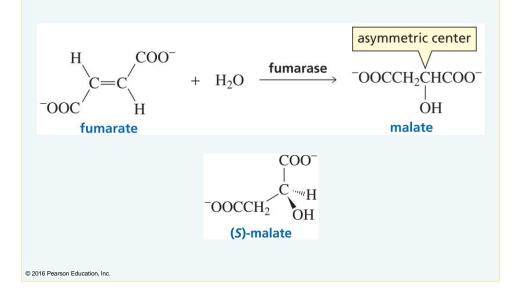


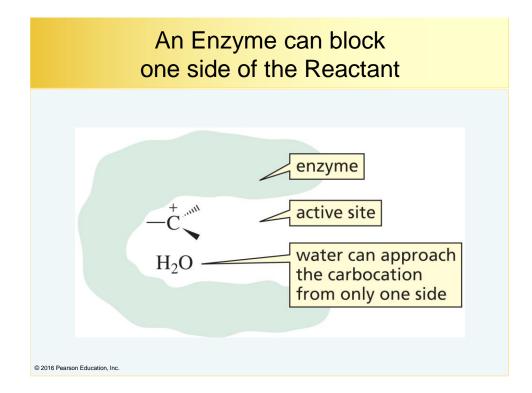
Addition of H₂ to a Cis Isomer forms only the Cis Stereoisomers

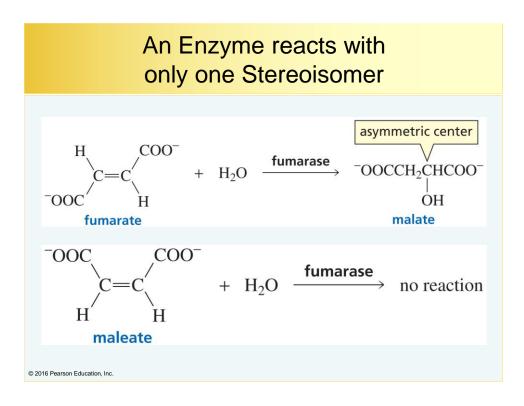




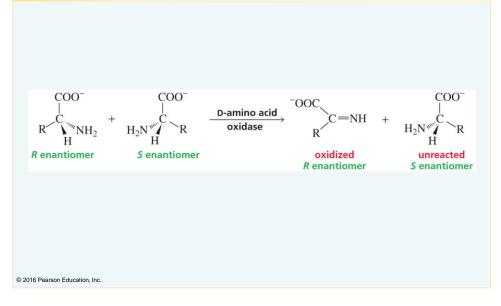
An Enzyme forms only one Stereoisomer; the Reaction is Completely Stereoselective

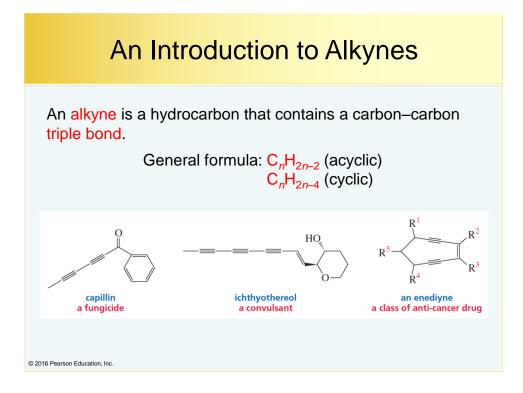


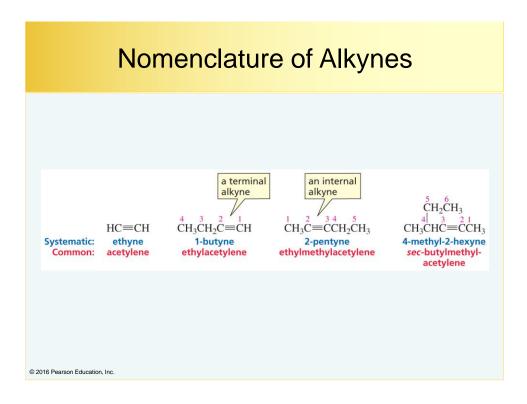




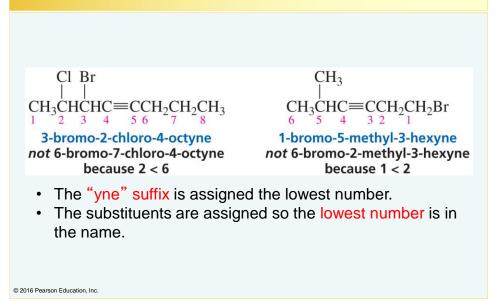
Therefore, Enantiomers can be separated using an Enzyme-Catalyzed Reaction

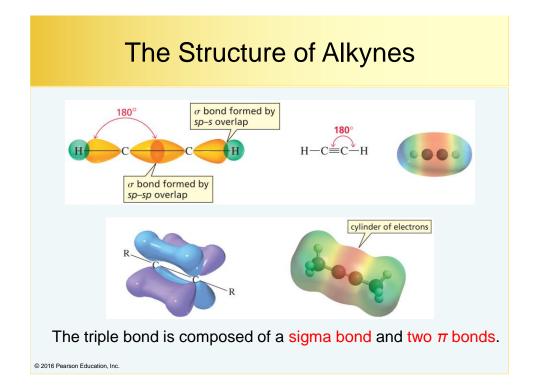


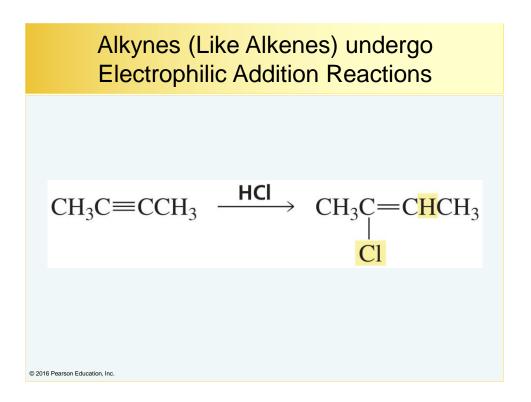


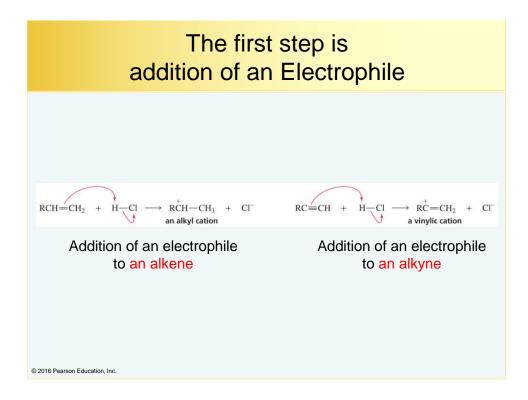




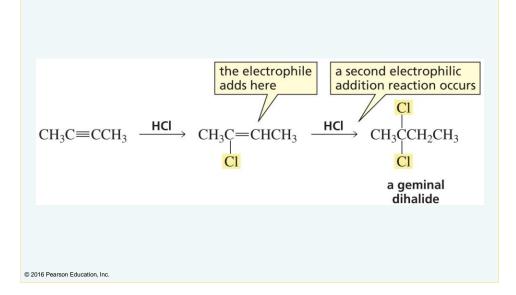


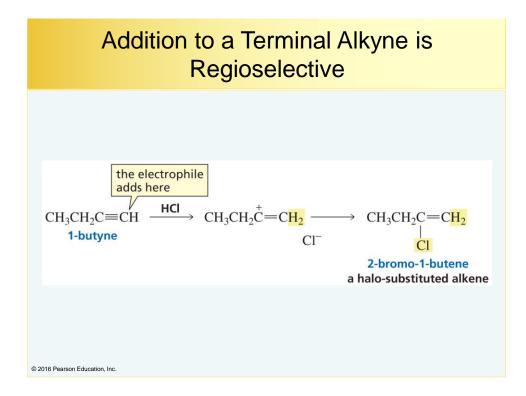


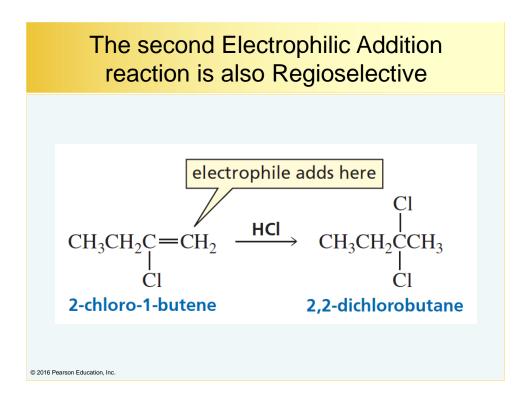


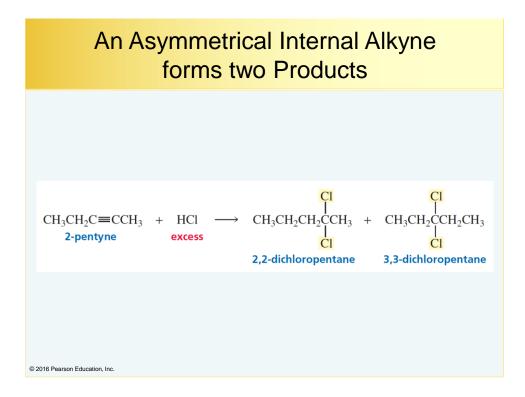


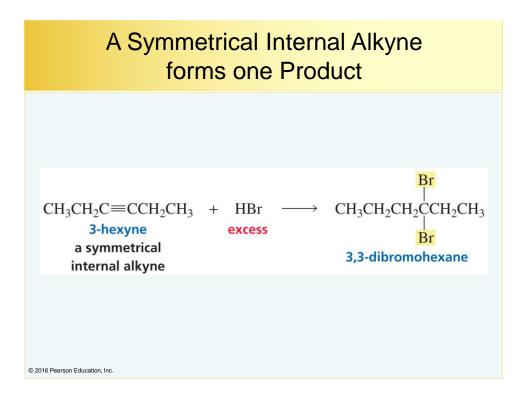
A second Addition Reaction can Occur

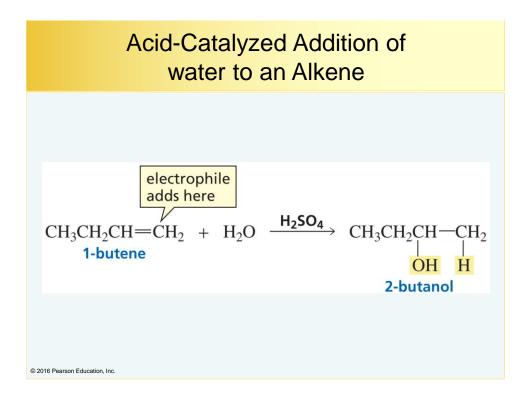


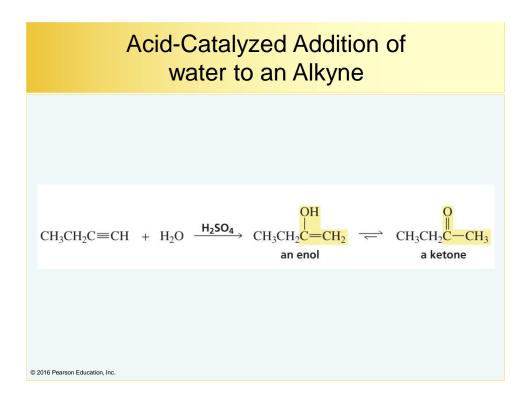


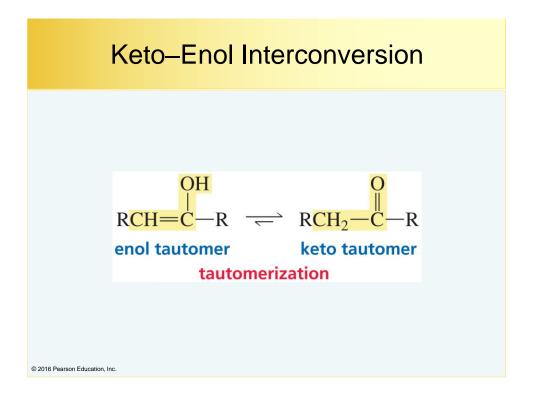


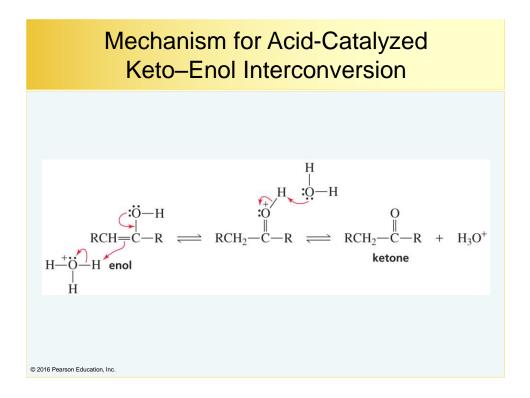












Acid-Catalyzed Addition of Water

