

 The Wittig Reaction

 Synthetic method for preparing alkenes.

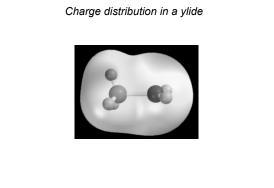
 One of the reactants is an aldehyde or ketone.

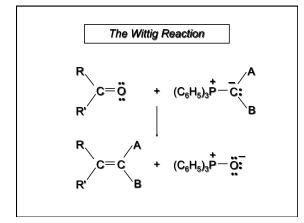
 The other reactant is a phosphorus ylide.

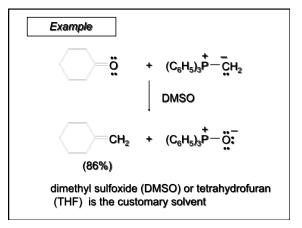
 (C<sub>6</sub>H<sub>5</sub>)<sub>3</sub>P -  $\overrightarrow{C}$ :

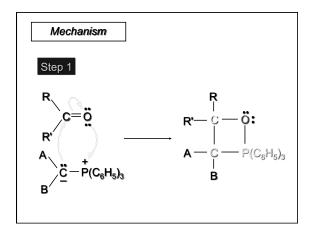
 B

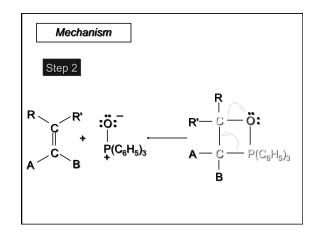
A key property of ylides is that they have a negatively polarized carbon and are nucleophilic.

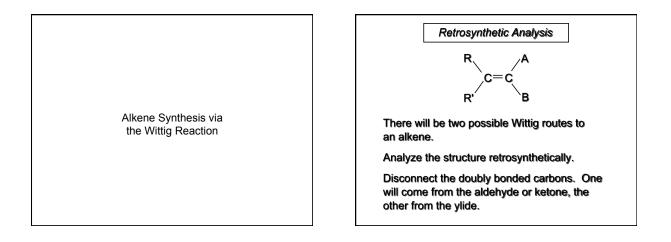


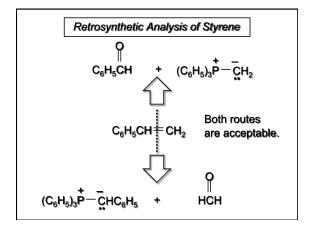


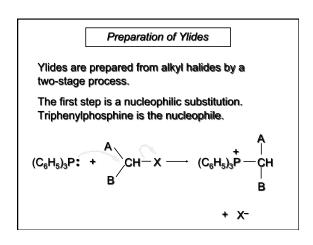


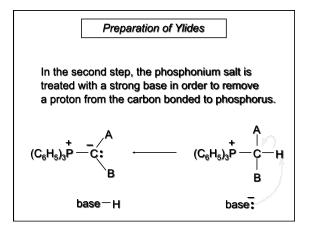


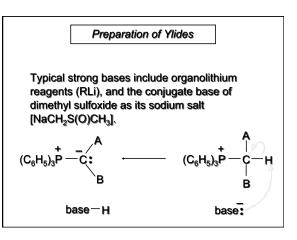


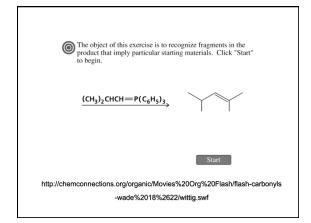


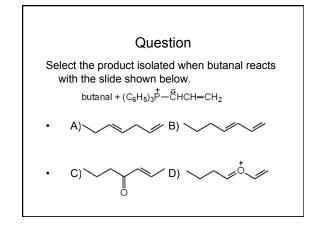


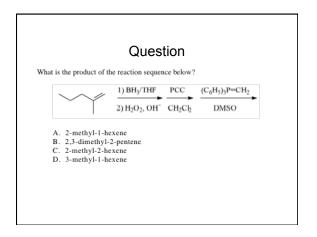


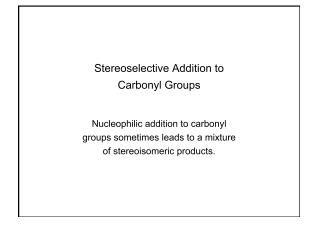


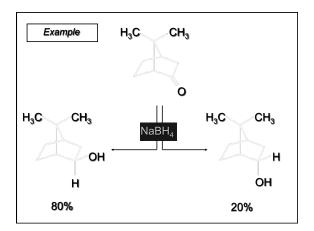


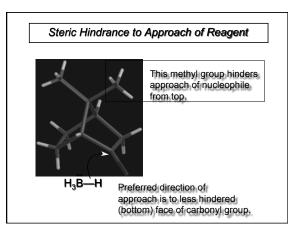


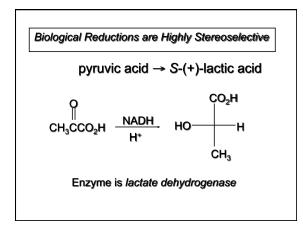


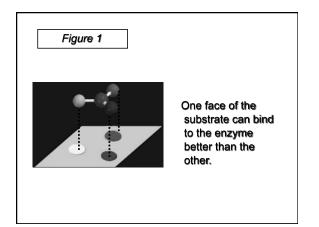


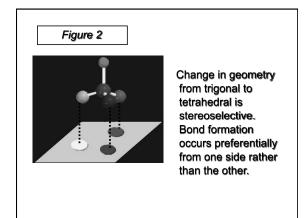












Oxidation of Aldehydes

