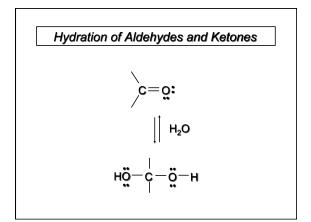
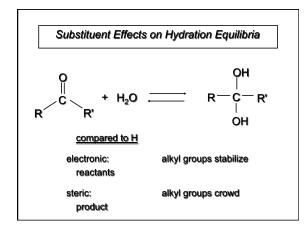
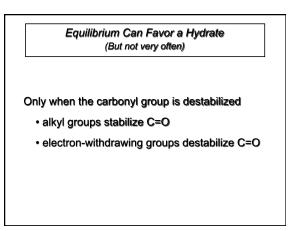


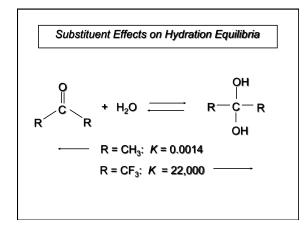
Hydration of Aldehydes and Ketones

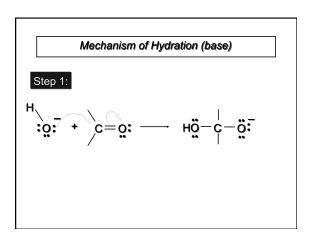


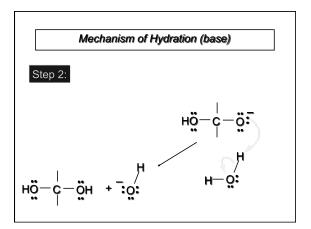


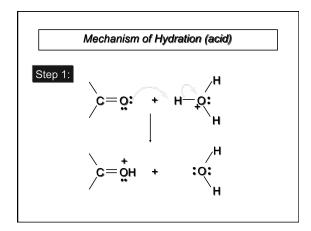
Equilibrium Constants and Relative Rates of Hydration				
C=0	hydrate	к	% rate	Relative
CH <sub>2</sub> =O	CH <sub>2</sub> (OH) <sub>2</sub>	2300	>99.9	2200
CH <sub>3</sub> CH=O	CH <sub>3</sub> CH(OH) <sub>2</sub>	1.0	50	1.0
(CH <sub>3</sub> ) <sub>3</sub> CCH=O	(CH <sub>3</sub> ) <sub>3</sub> CCH(OH) <sub>2</sub>	0.2	17	0.09
(CH <sub>3</sub> ) <sub>2</sub> C=O	(CH <sub>3</sub> ) <sub>2</sub> C(OH) <sub>2</sub>	0.0014	0.14	0.0018

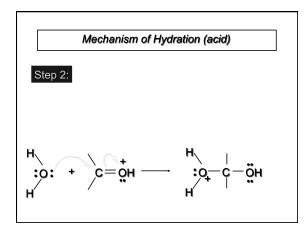


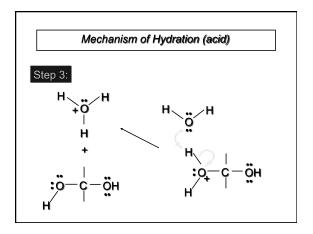


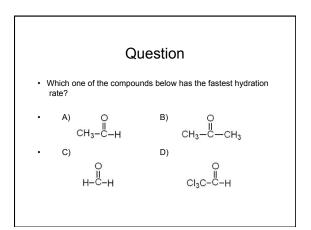


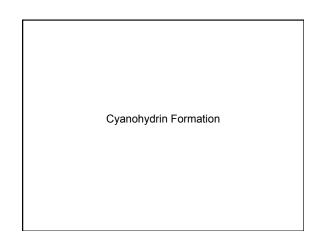


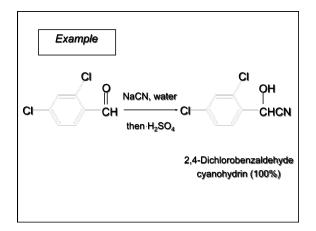


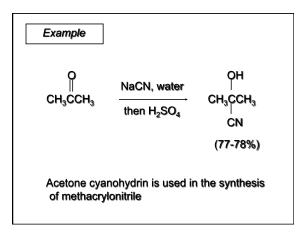


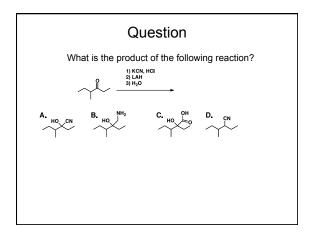


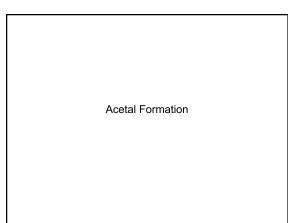


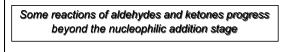












- Acetal formation
- Imine formation
- Enamine formation
- Compounds related to imines
- The Wittig reaction

