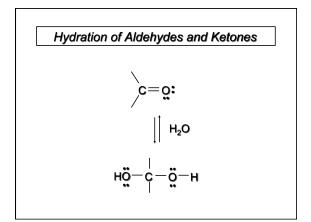
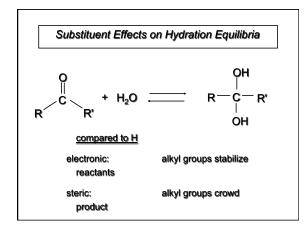
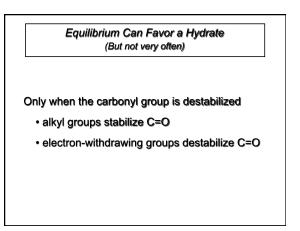


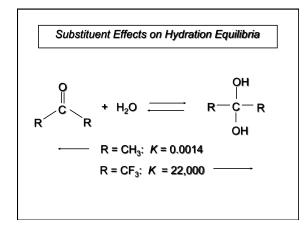
Hydration of Aldehydes and Ketones

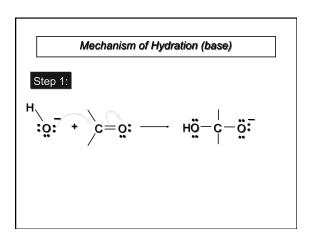


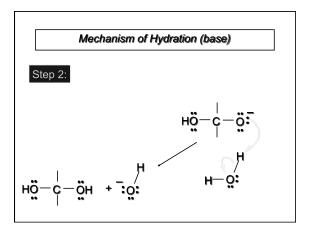


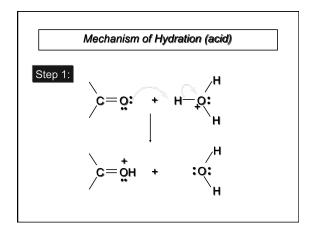
Equilibrium Constants and Relative Rates of Hydration				
C=0	hydrate	к	% rate	Relative
CH ₂ =O	CH ₂ (OH) ₂	2300	>99.9	2200
CH ₃ CH=O	CH ₃ CH(OH) ₂	1.0	50	1.0
(CH ₃) ₃ CCH=O	(CH ₃) ₃ CCH(OH) ₂	0.2	17	0.09
(CH ₃) ₂ C=O	(CH ₃) ₂ C(OH) ₂	0.0014	0.14	0.0018

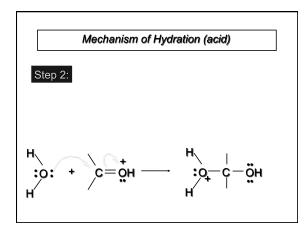


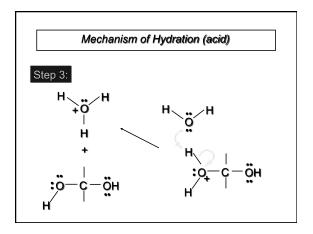


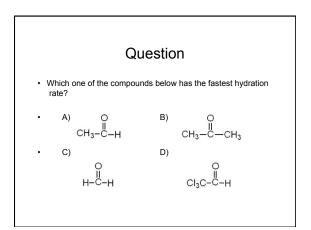


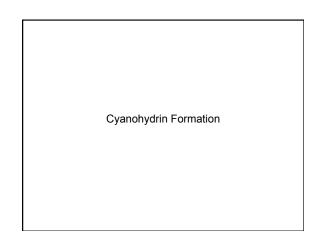


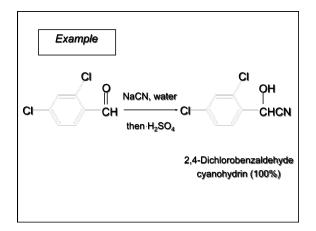


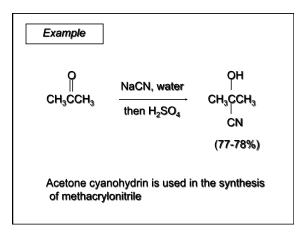


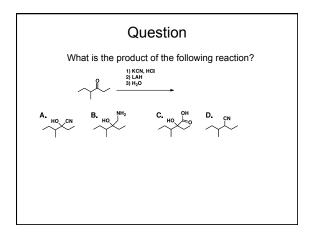


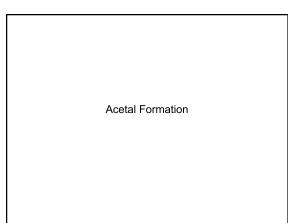


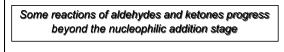












- Acetal formation
- Imine formation
- Enamine formation
- Compounds related to imines
- The Wittig reaction

