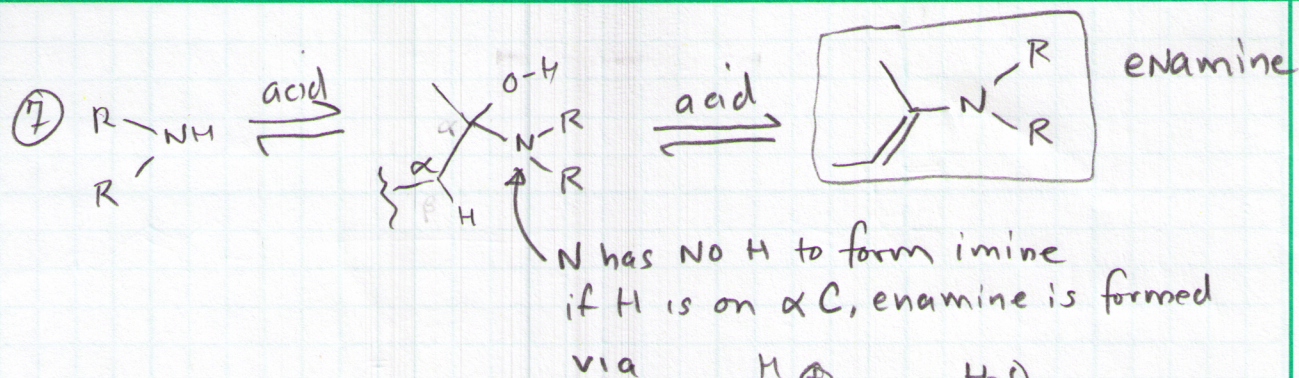
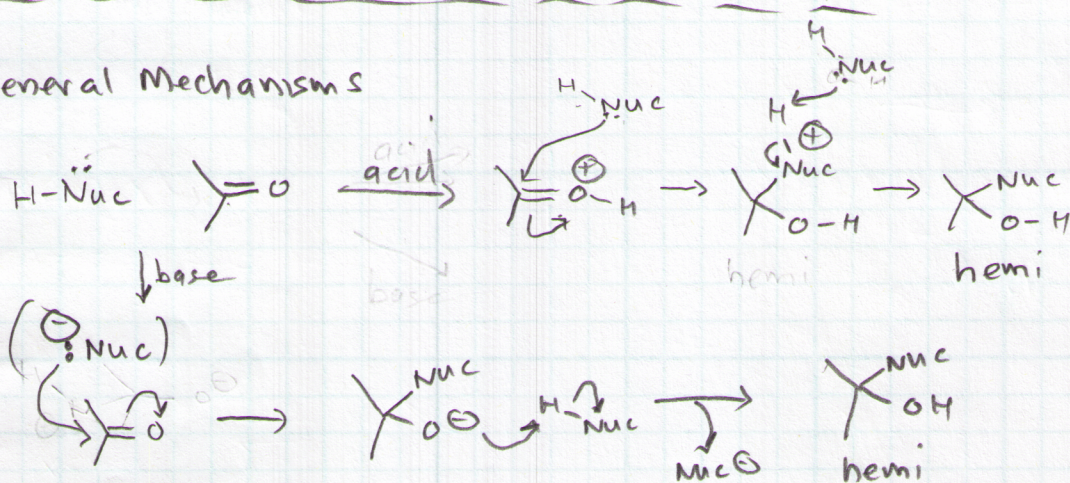
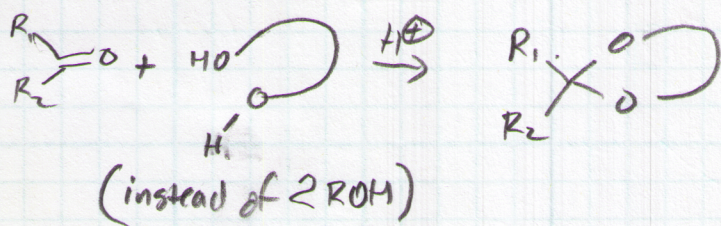


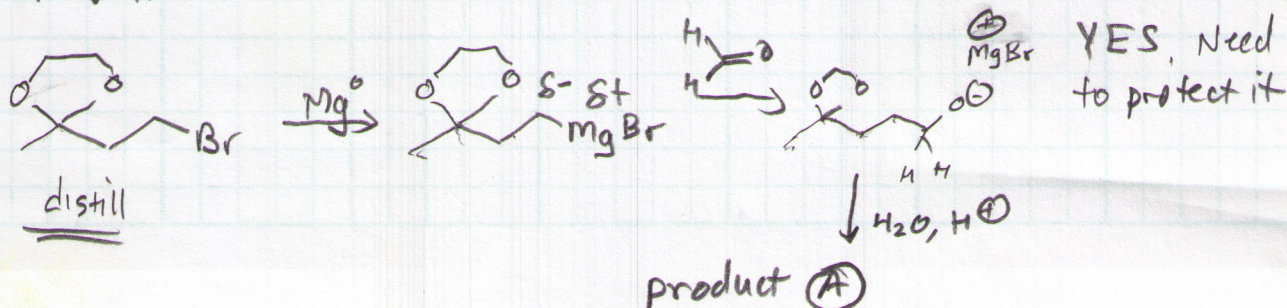
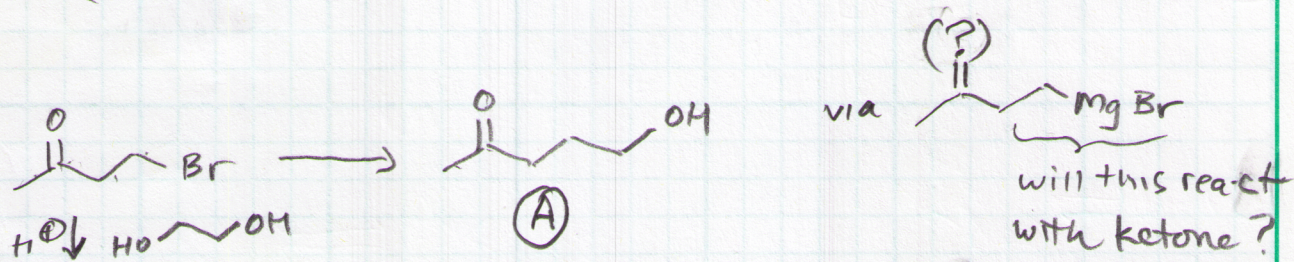
General Mechanisms

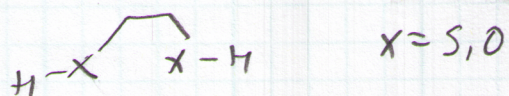


Protecting Groups



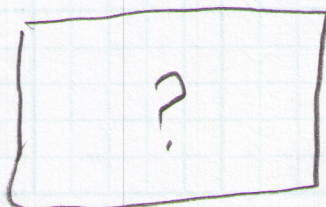
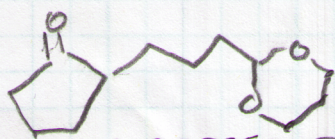
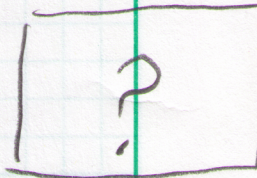
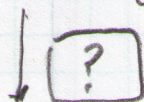
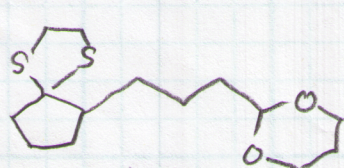
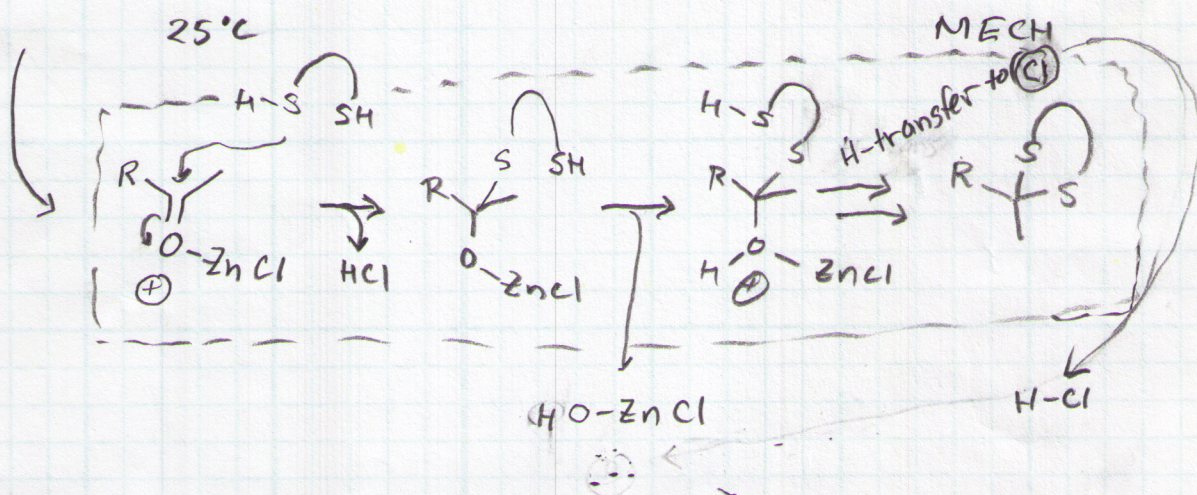
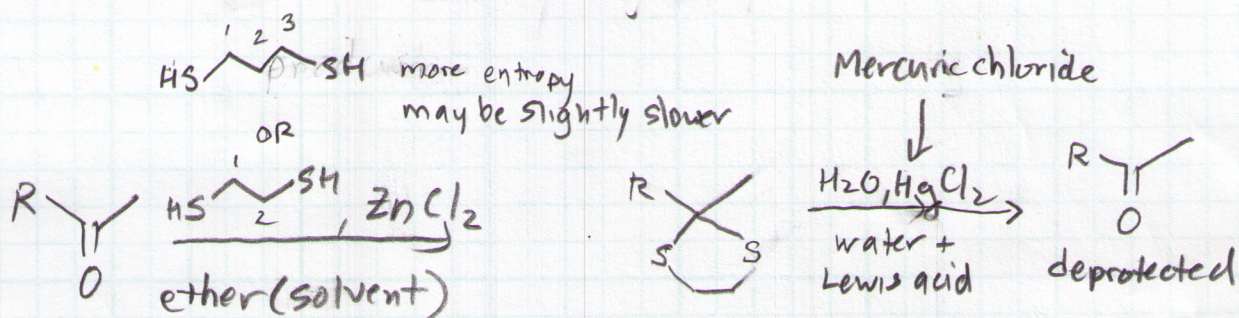
acetal protecting group
keep $C=O$ from reacting
w/ oxidants or reductants





Previous pg shows example when $\text{X} = \text{O}$

Here $\text{X} = \text{S}$ Zinc chloride (ZnCl_2) is used as Lewis Acid over H^+



6-membered ring OR
can be 5-membered ring

