

Today's office hours postponed until Thursday

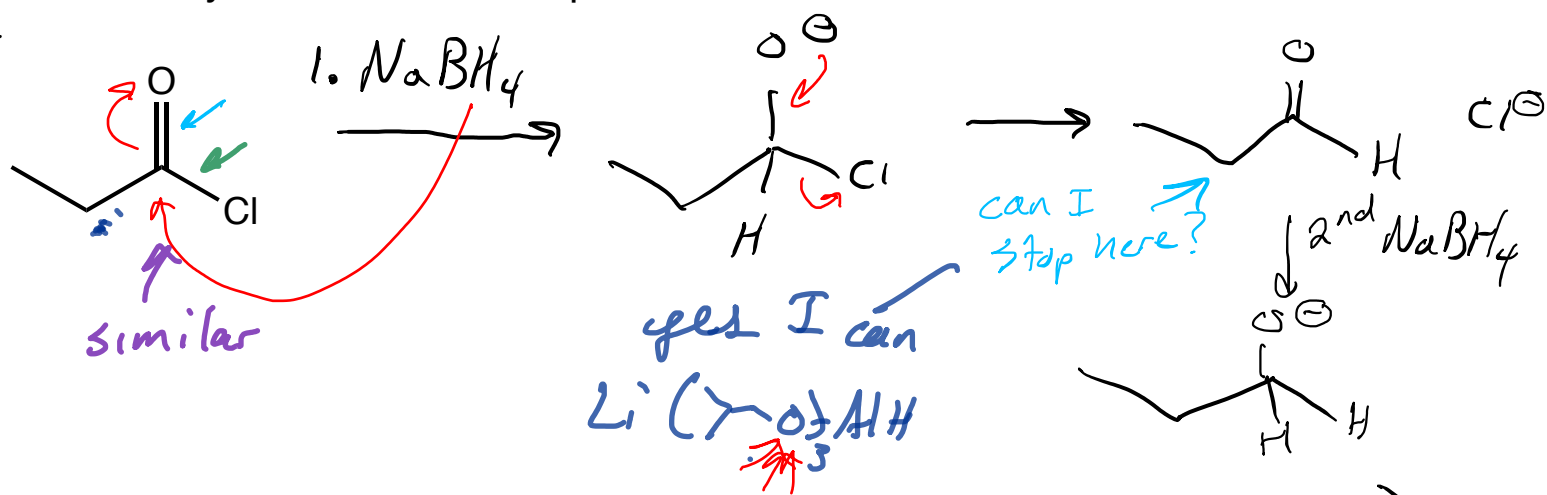
17.1, 17.2, 17.3 on Wed

Reactions with "Hydride" ions – Comparison



Section 16.5

most LG

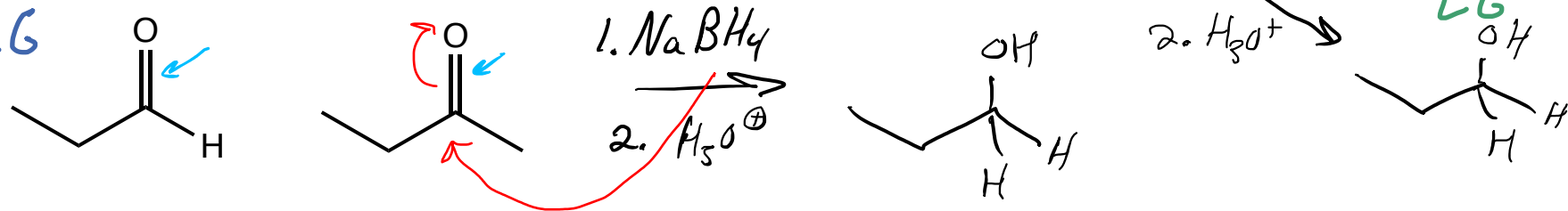


C to O π bond acts like a LG

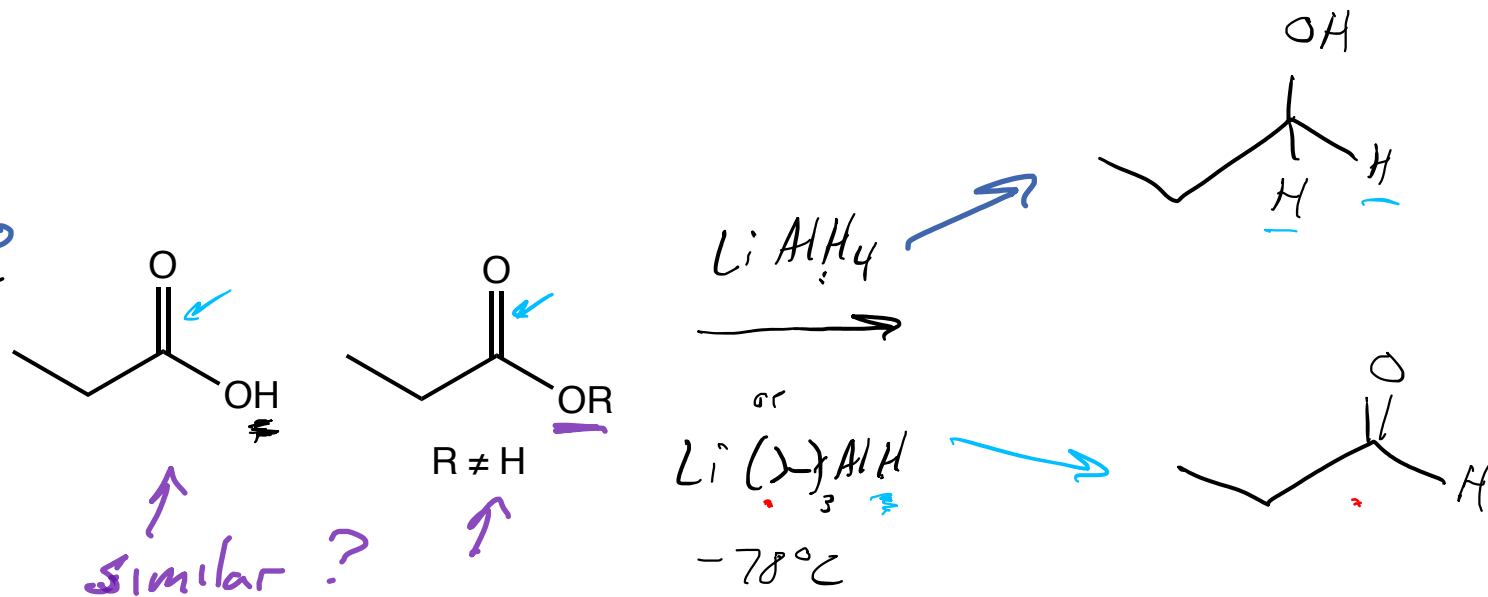
C to Cl bond is an actual LG

LG

no LG



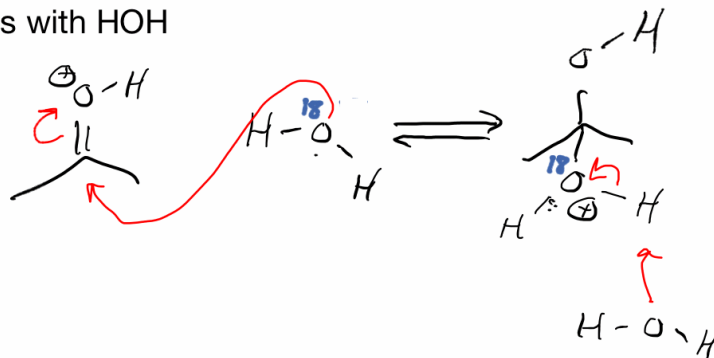
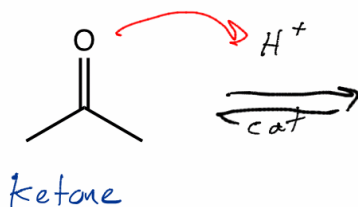
LG least



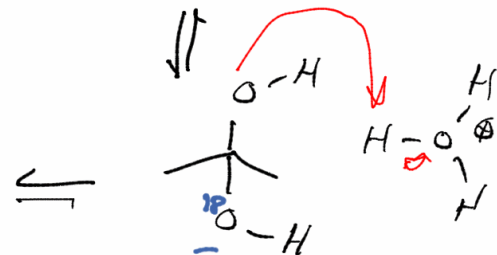
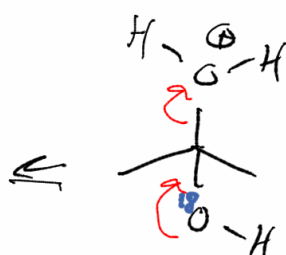
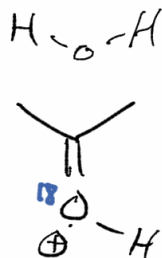
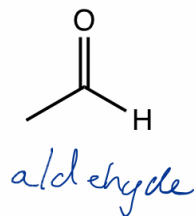
Reactions of aldehydes and ketones with HOH

Section 16.9

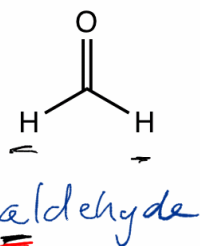
H^+ on $C=O$ makes C more electrophilic.



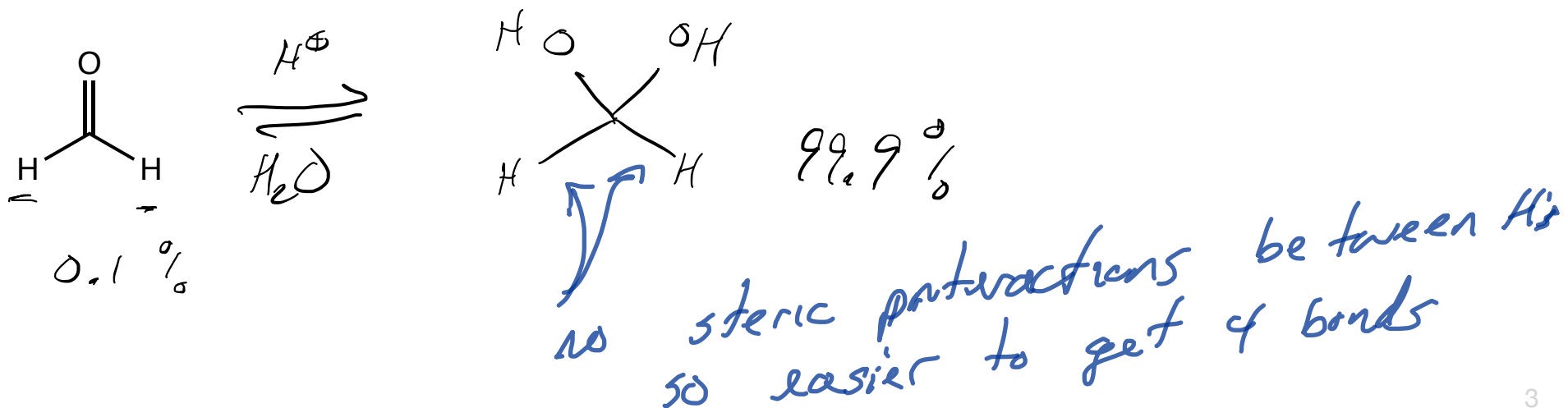
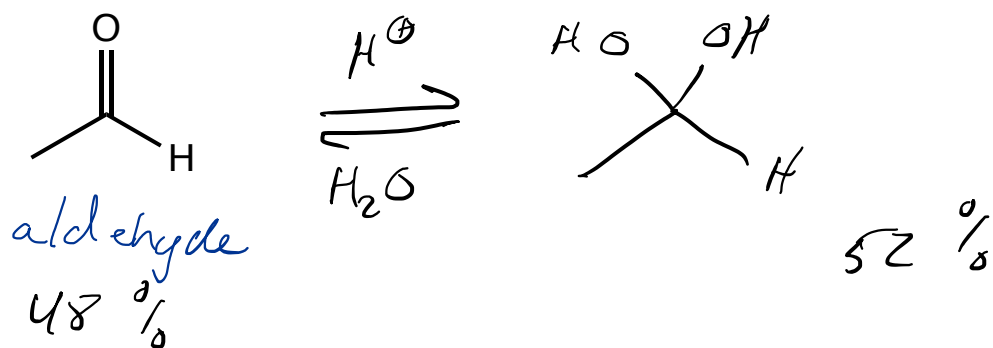
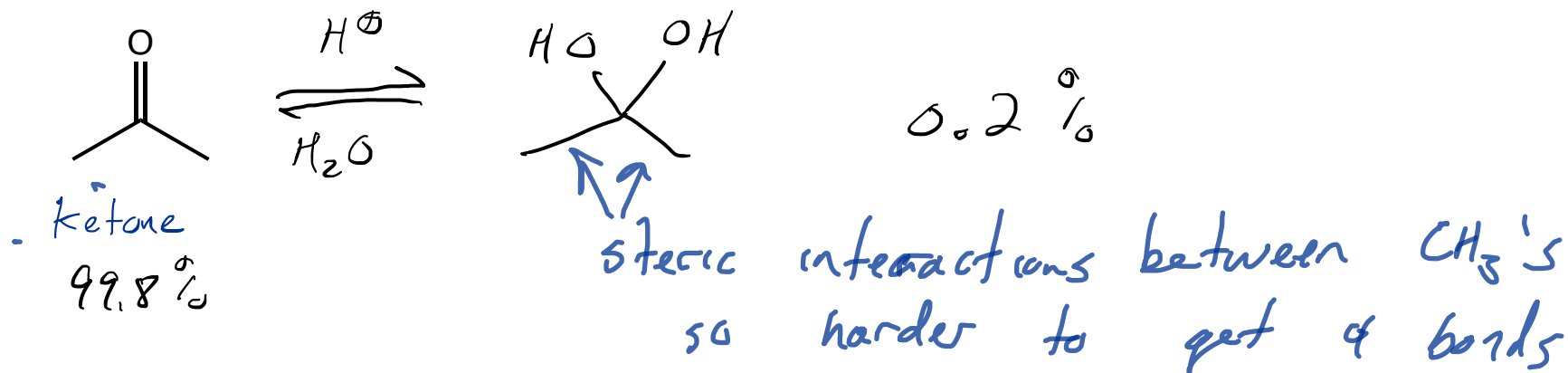
$$10^{-7} = [H^+]$$



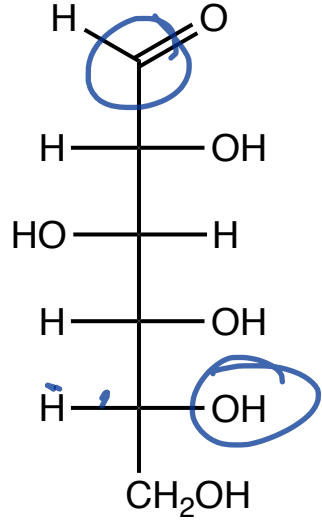
a "hydrated" carbonyl gem diol



aldehyde = H attached to carbonyl ($C=O$) carbon
 ketone = C attached to carbonyl ($C=O$) carbon

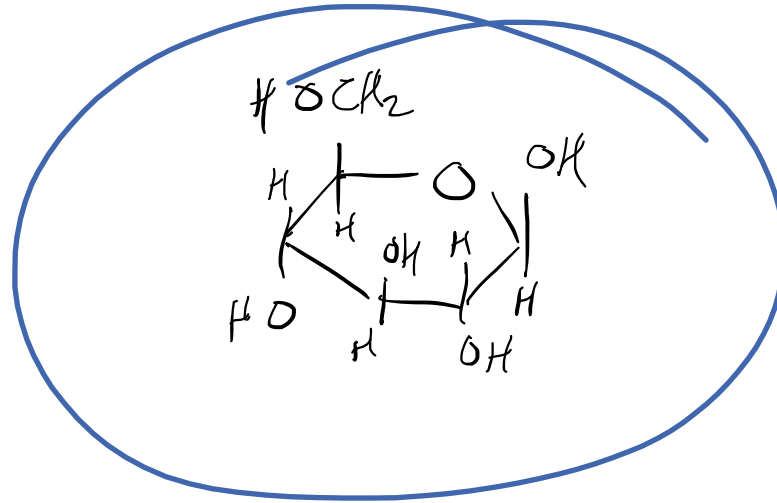


I'm a biologist, why should I care?



glucose

.2



also glucose

99.8