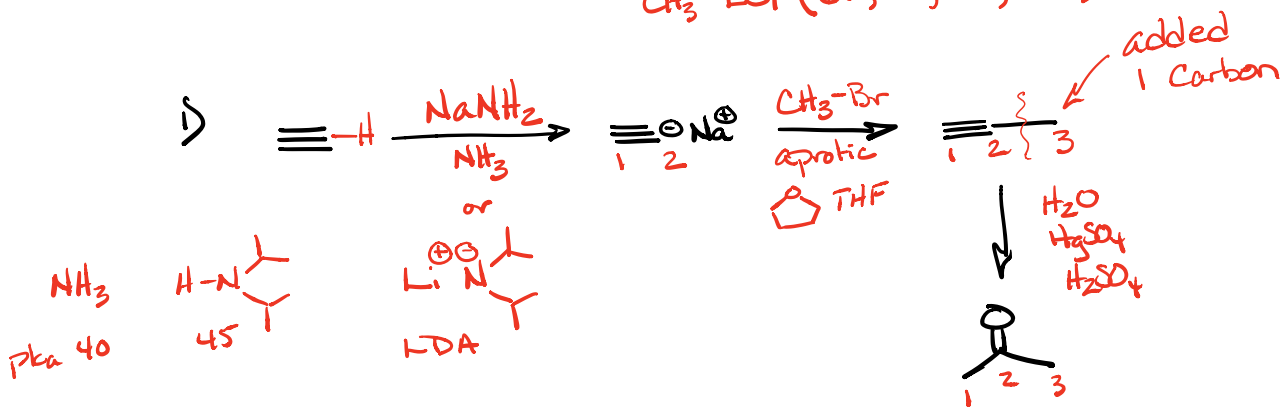
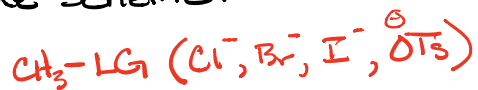
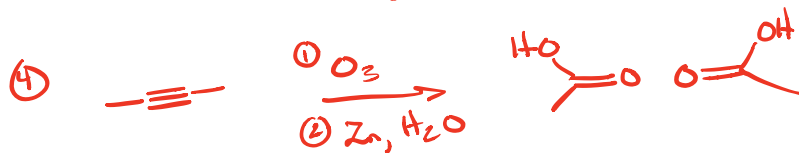
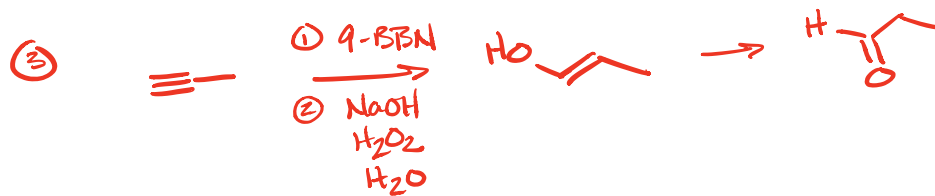
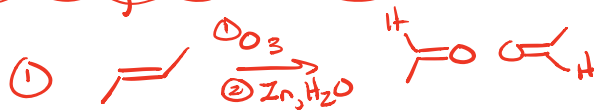
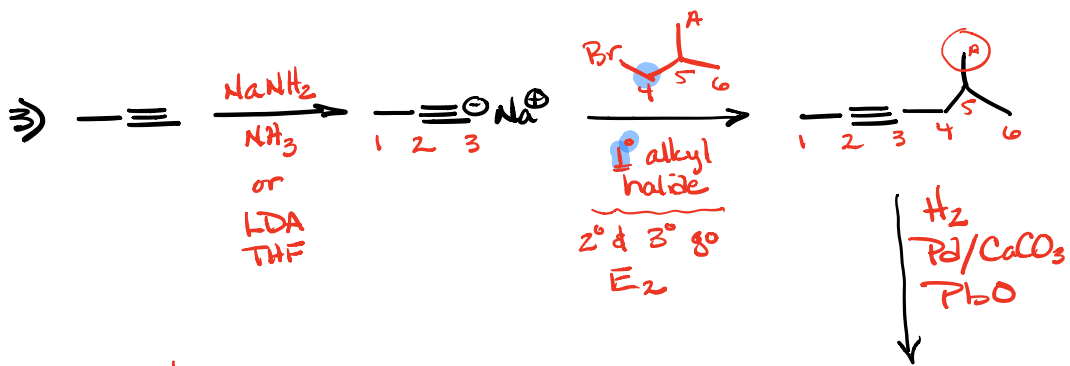


Fill in the missing reagents or products where indicated to complete the scheme.

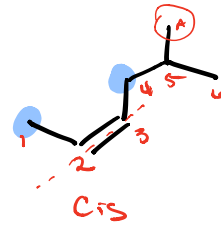
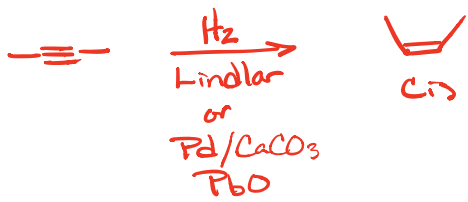


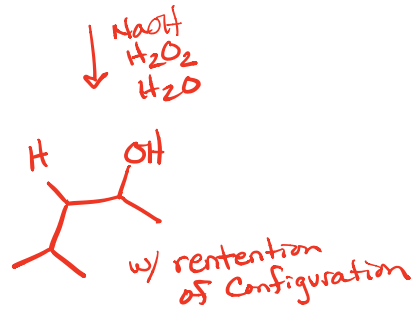
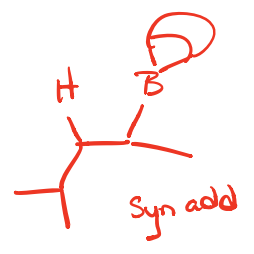
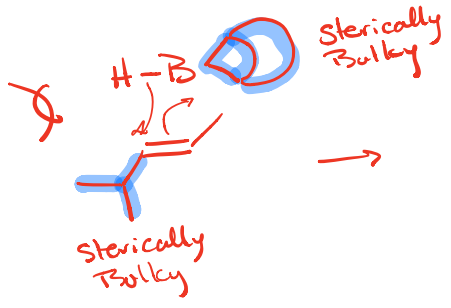
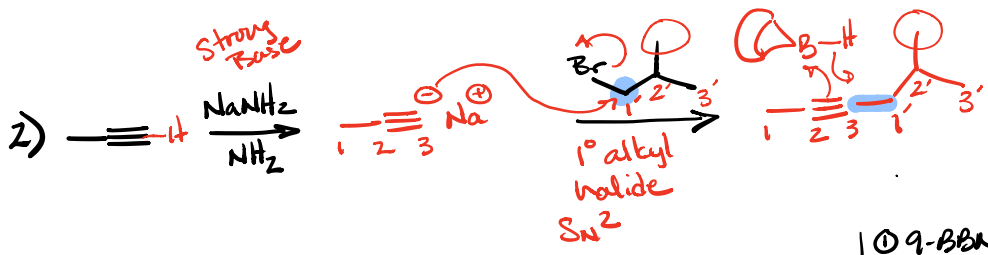
ways to form carbonyls



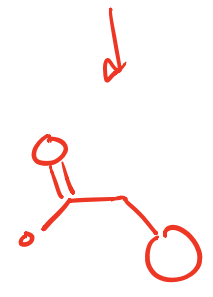
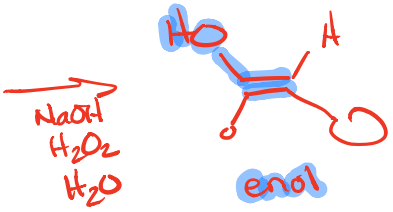
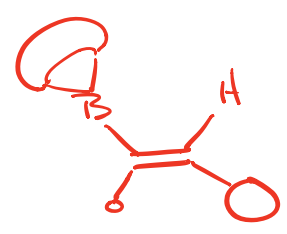
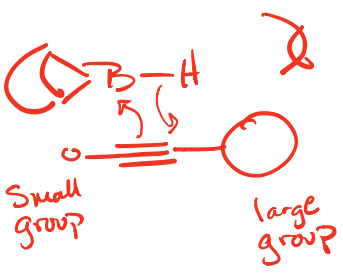
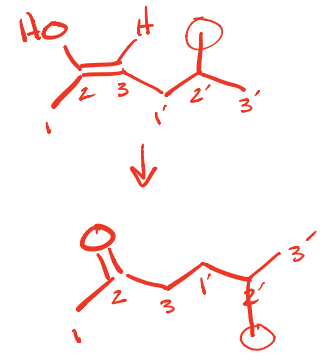


options

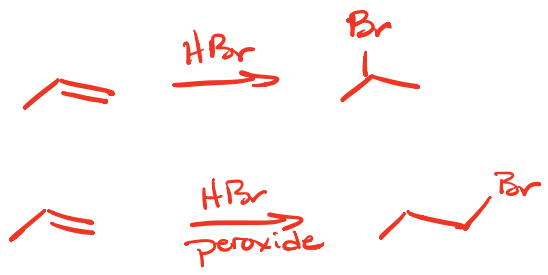
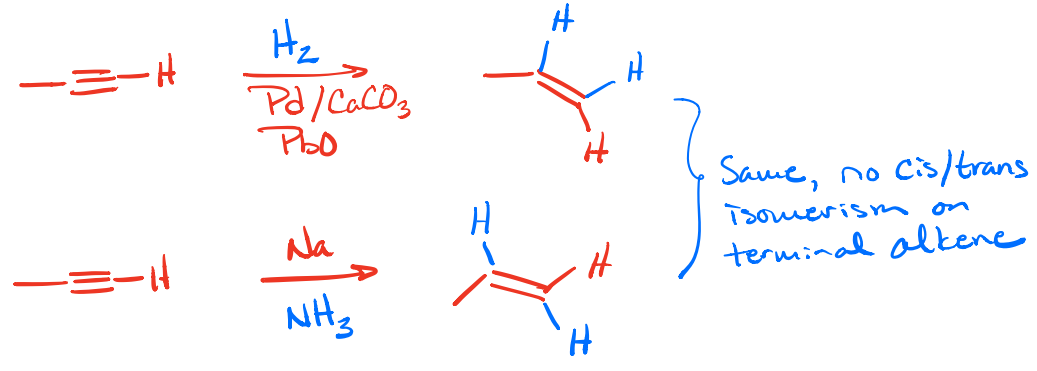
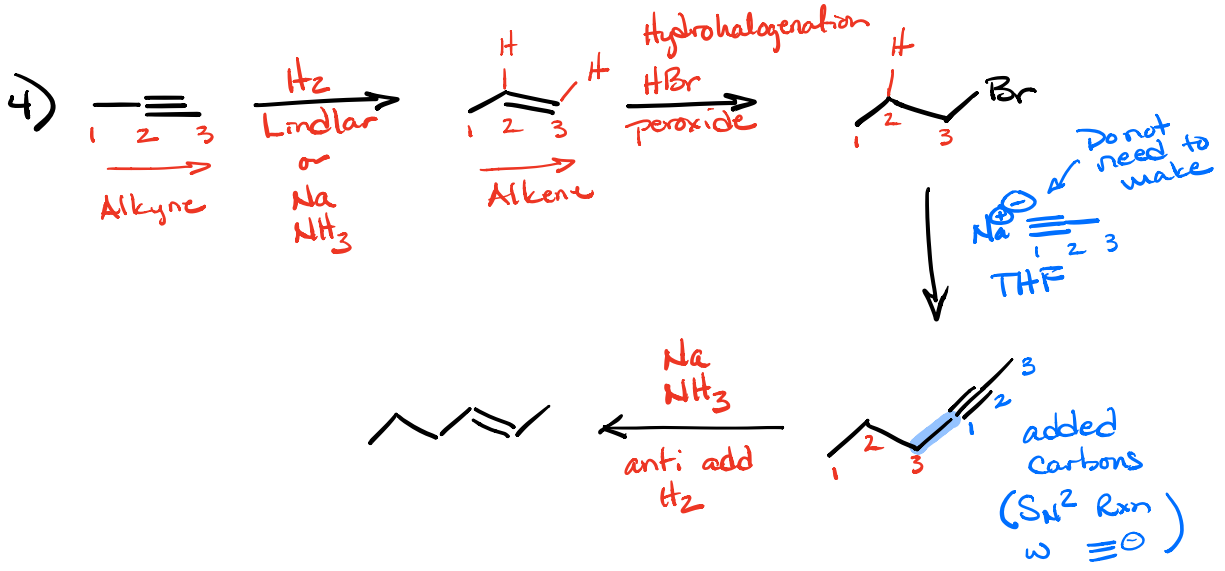




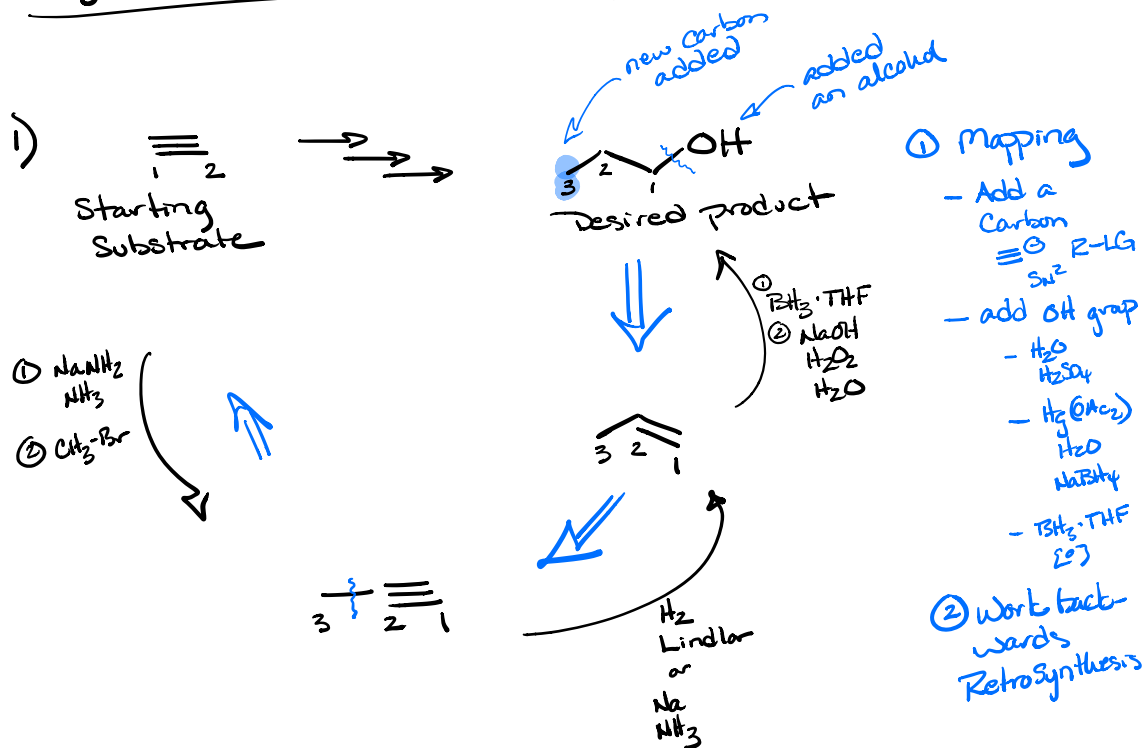
① 9-BBN Hydro-boration
② NaOH, H₂O₂, H₂O



hydrogenation

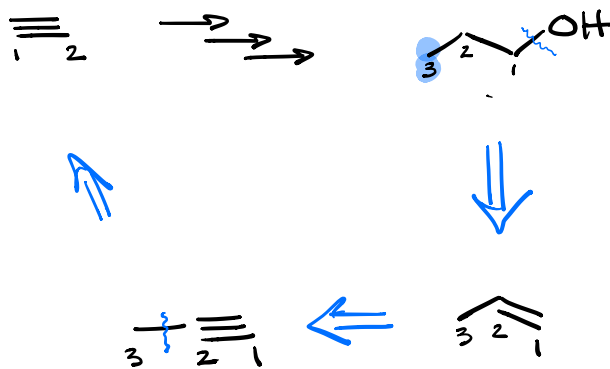


Synthesis Problems

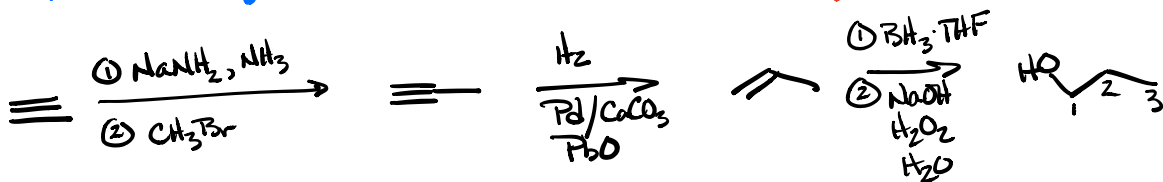


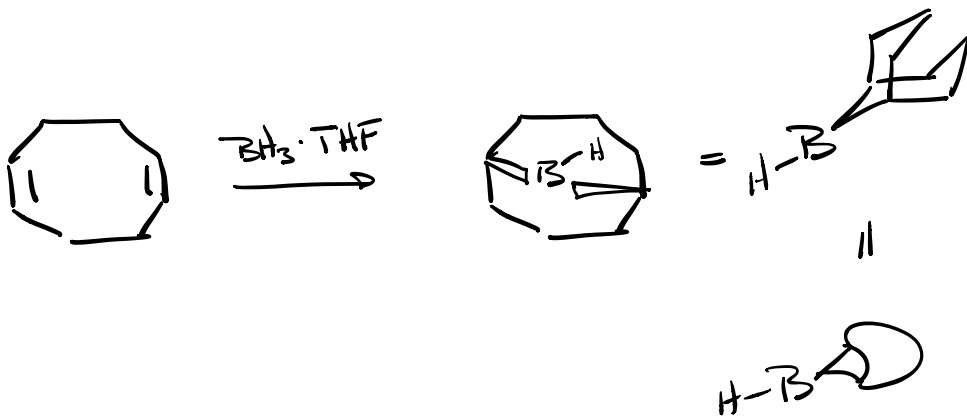
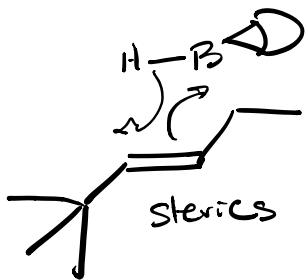
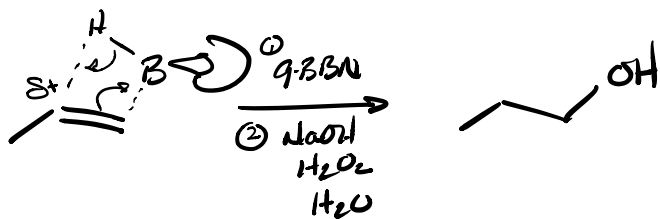
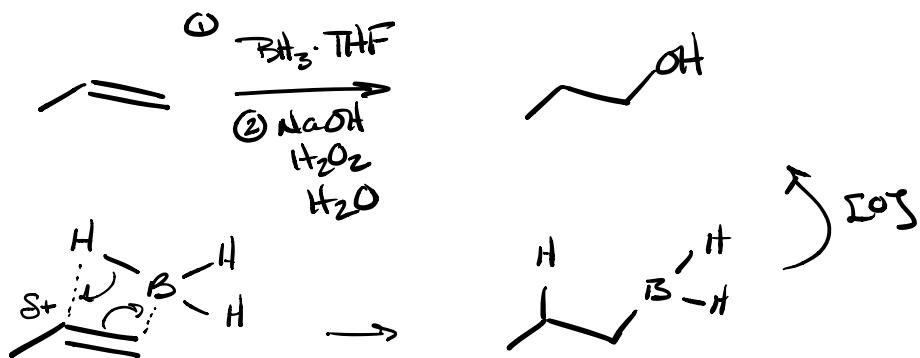
Retrosynthesis

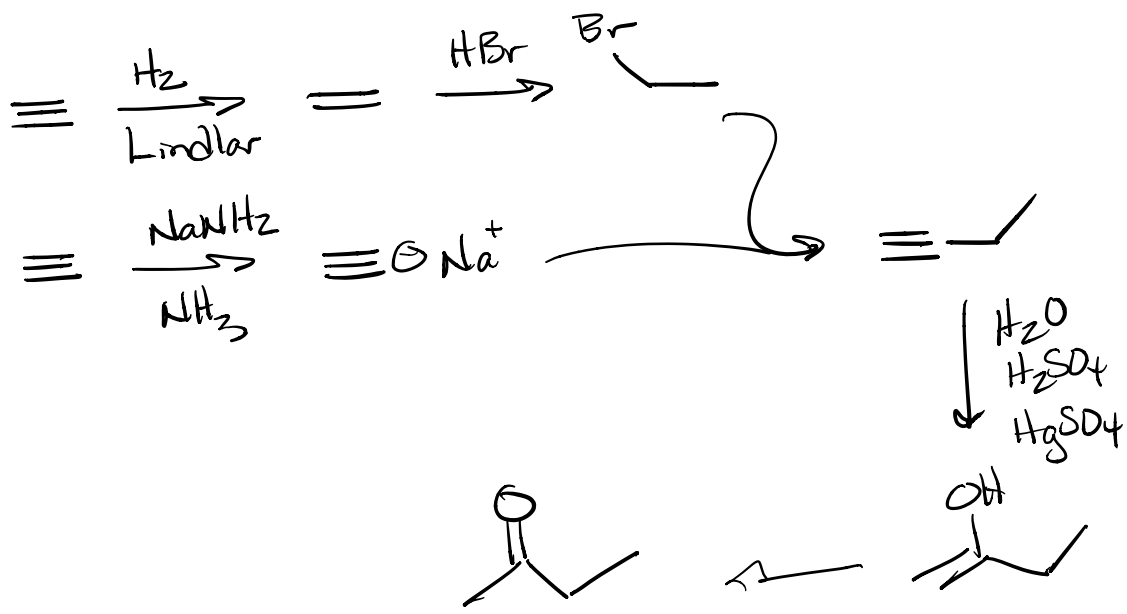
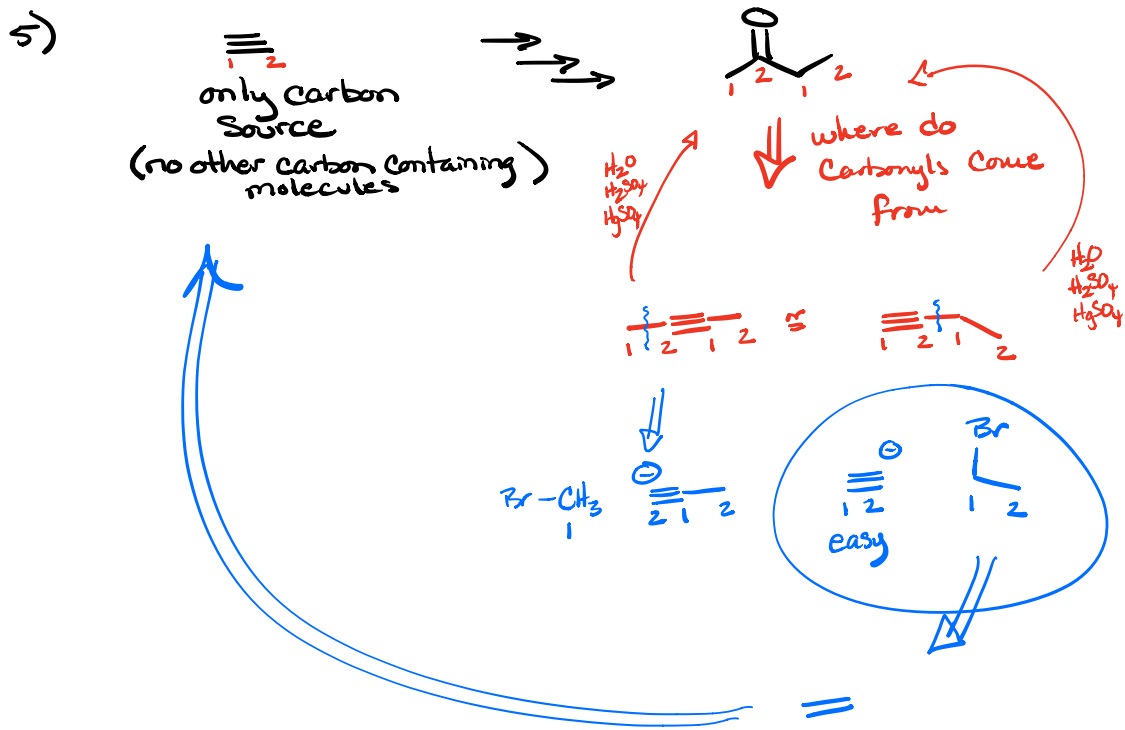
(This is the work to get to the answer)

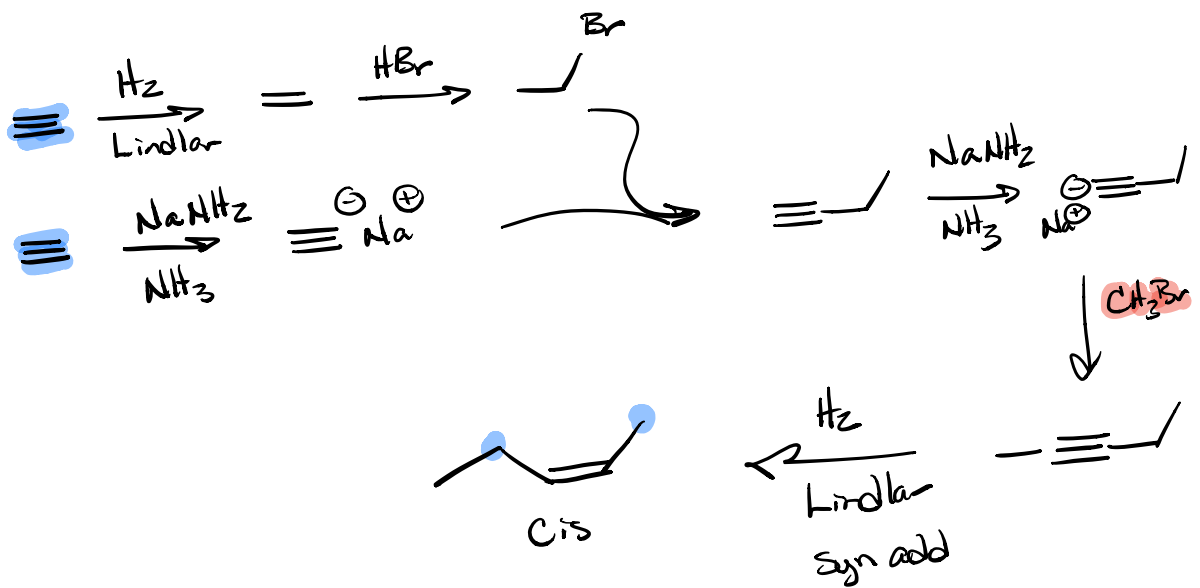
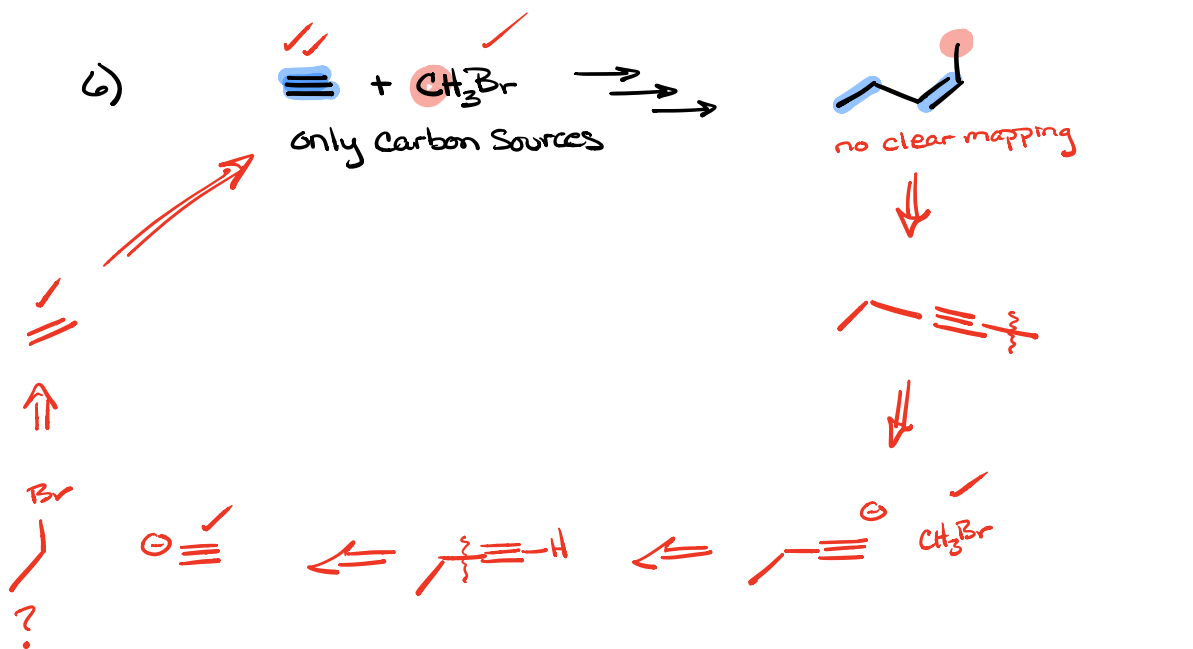


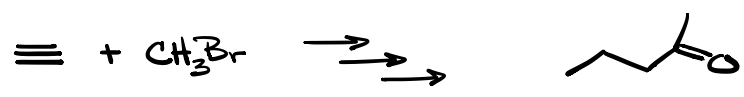
Forward Synthesis (This is the answer)



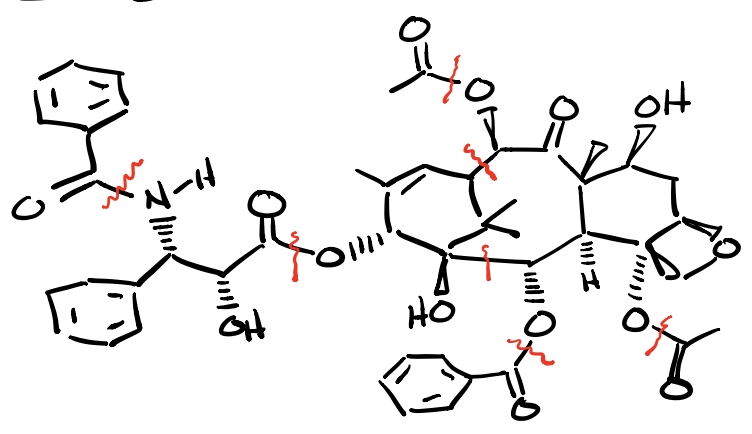


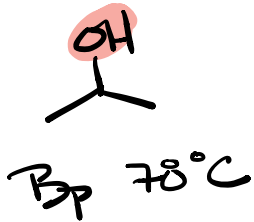
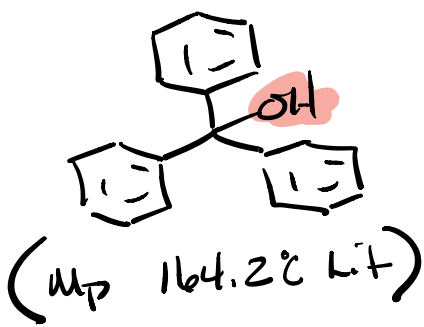
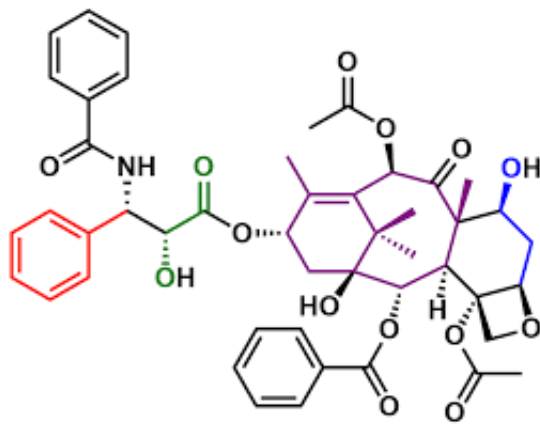






Taxol





Recrystallized
 →
 in 2-propanol

MP taken
 10 min after
 recrystallization

IR Taken
 45 min



MP
 % yield
 FTIR

