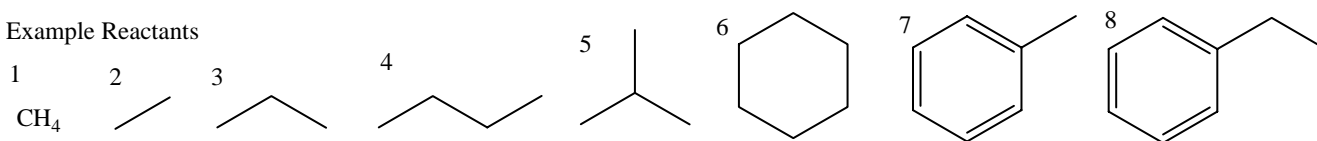


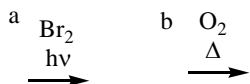
Reactions Studied Through Chem 315 – Review (Partial Key Starts on Page 3)

A. Alkane Reactions

Example Reactants

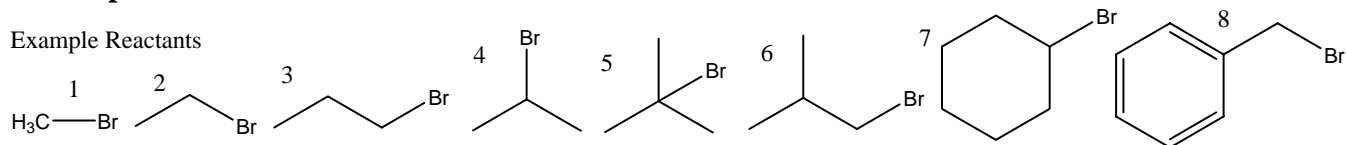


Reaction Conditions Studied

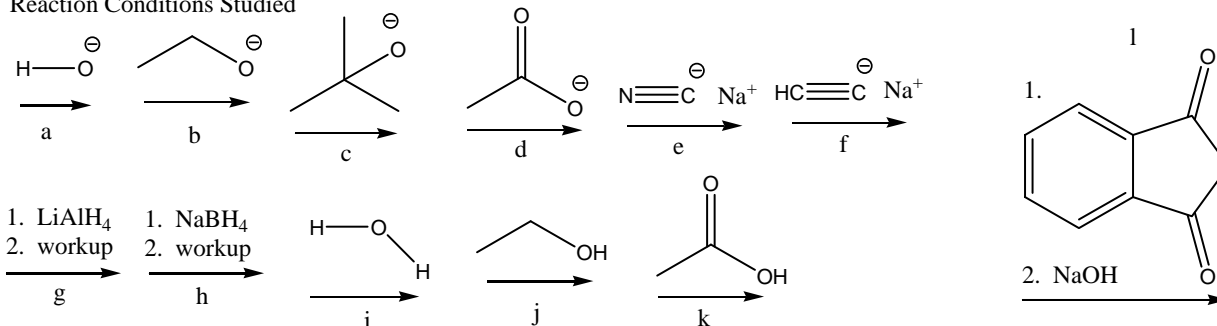


B. RX Compounds

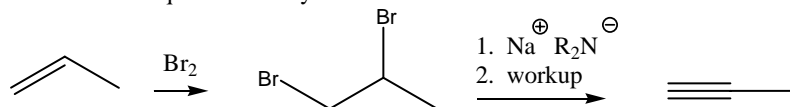
Example Reactants



Reaction Conditions Studied

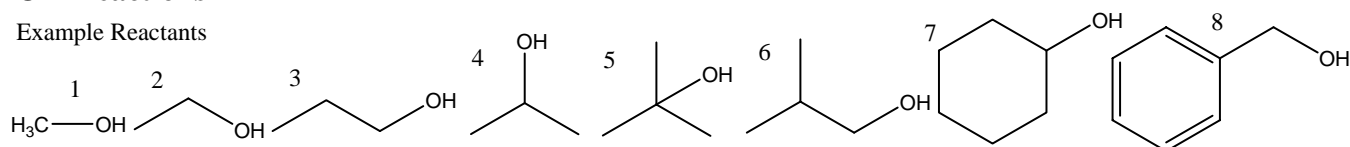


Extra Reaction Sequence to Alkynes

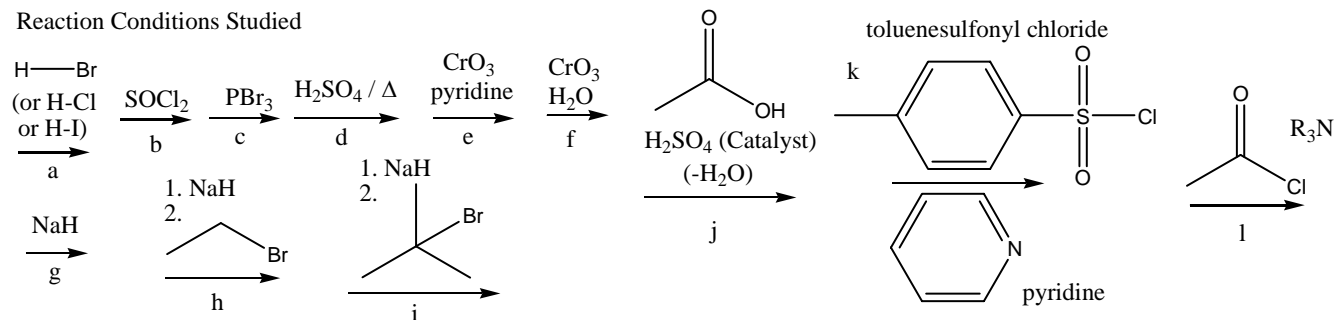


C. ROH Reactions

Example Reactants

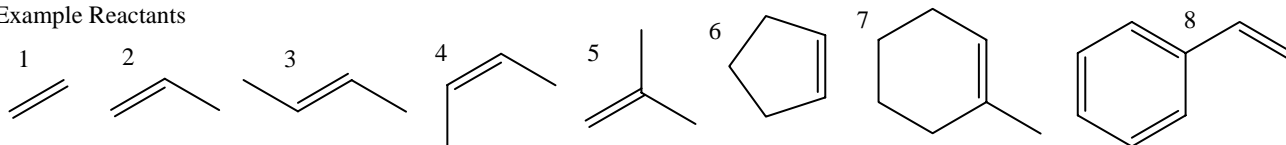


Reaction Conditions Studied

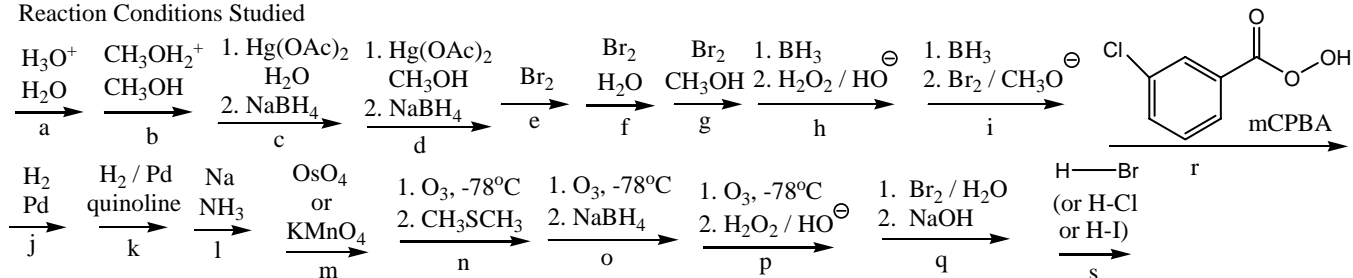


D. Alkene Reactions

Example Reactants

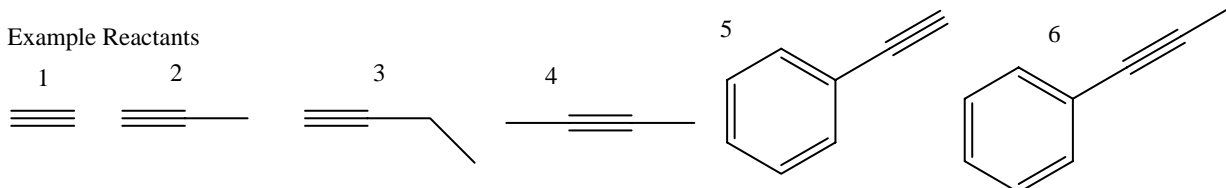


Reaction Conditions Studied

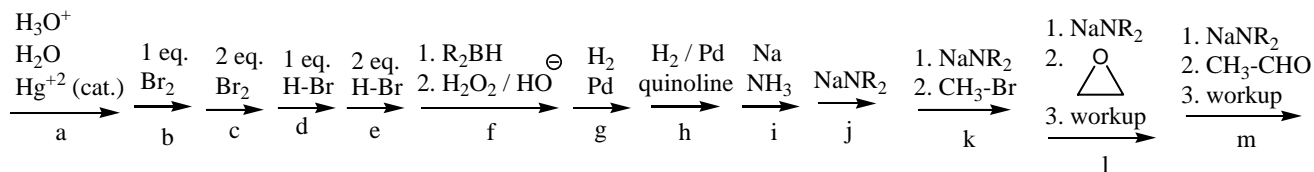


E. Alkyne Reactions

Example Reactants

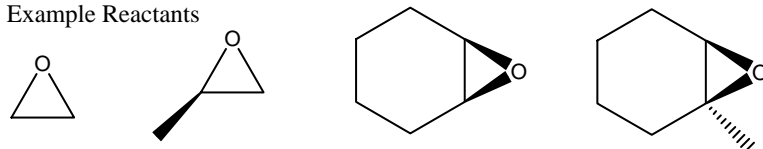


Reaction Conditions Studied

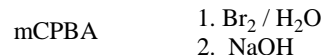


F. Epoxide Reactions

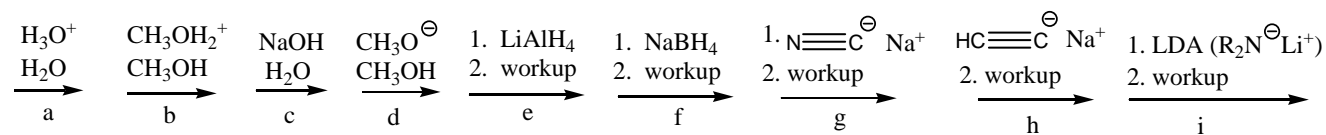
Example Reactants



Epoxides can be prepared from alkenes 2 ways.

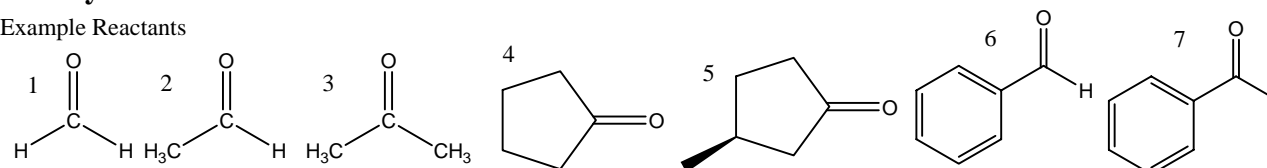


Reaction Conditions Studied

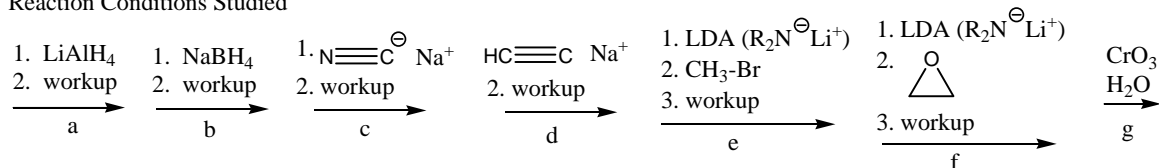


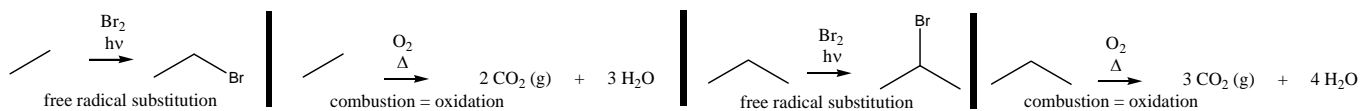
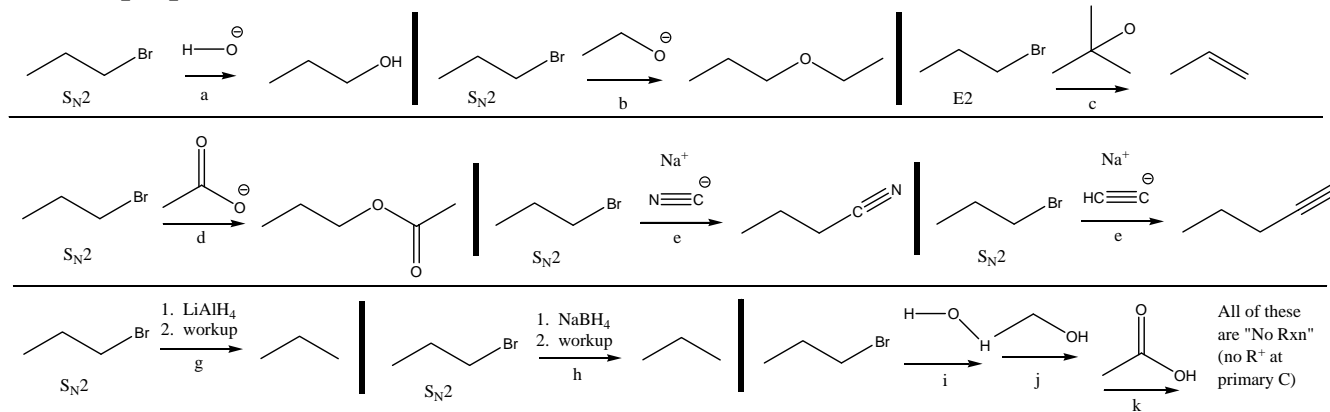
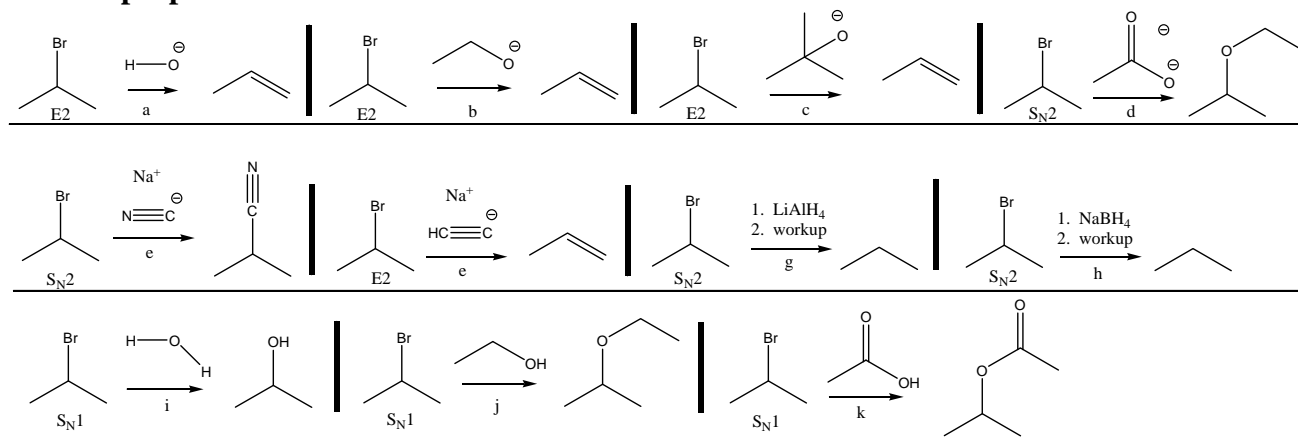
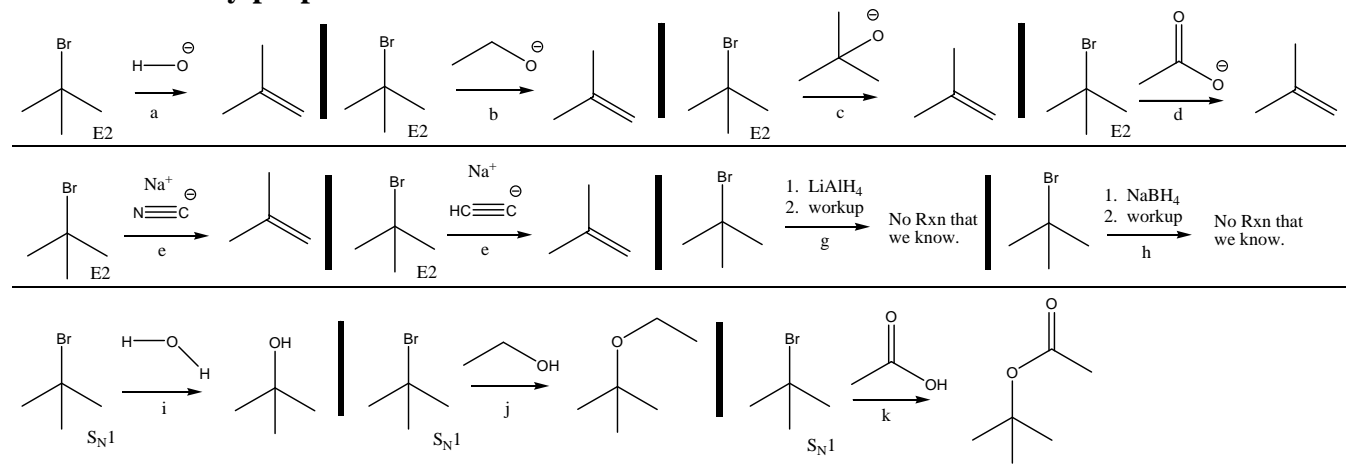
G. Carbonyl Reactions

Example Reactants



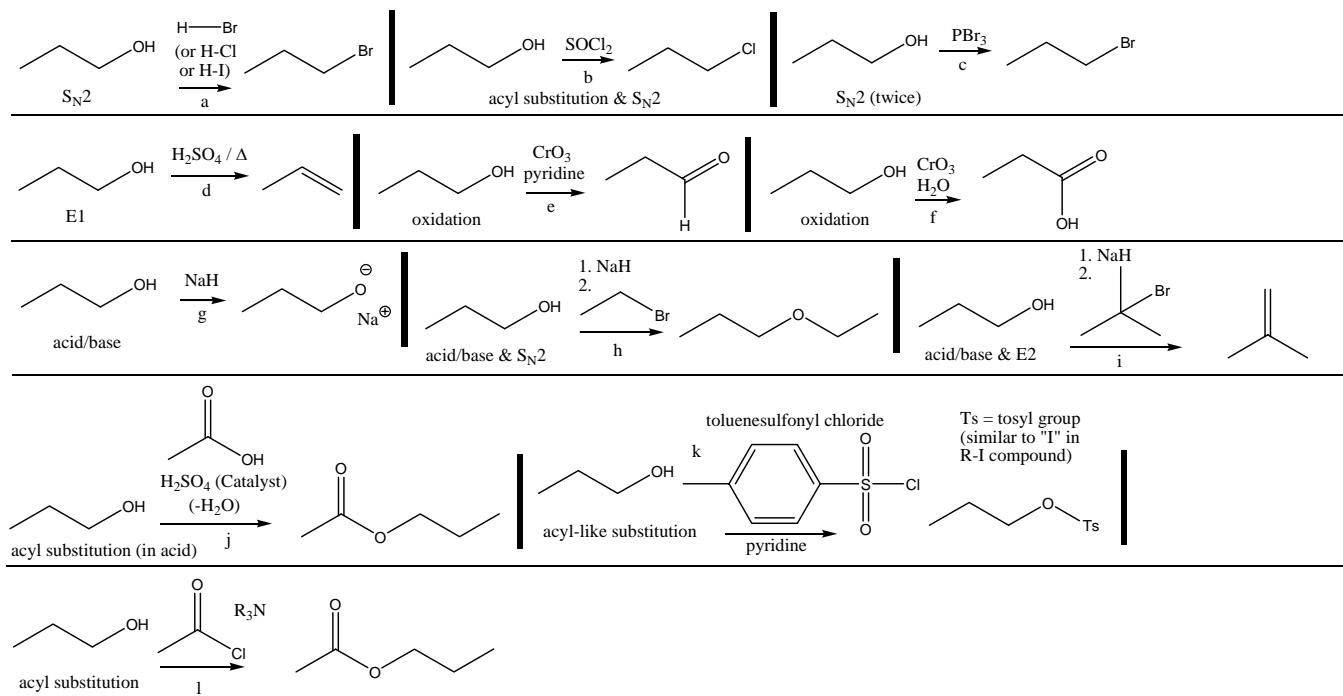
Reaction Conditions Studied



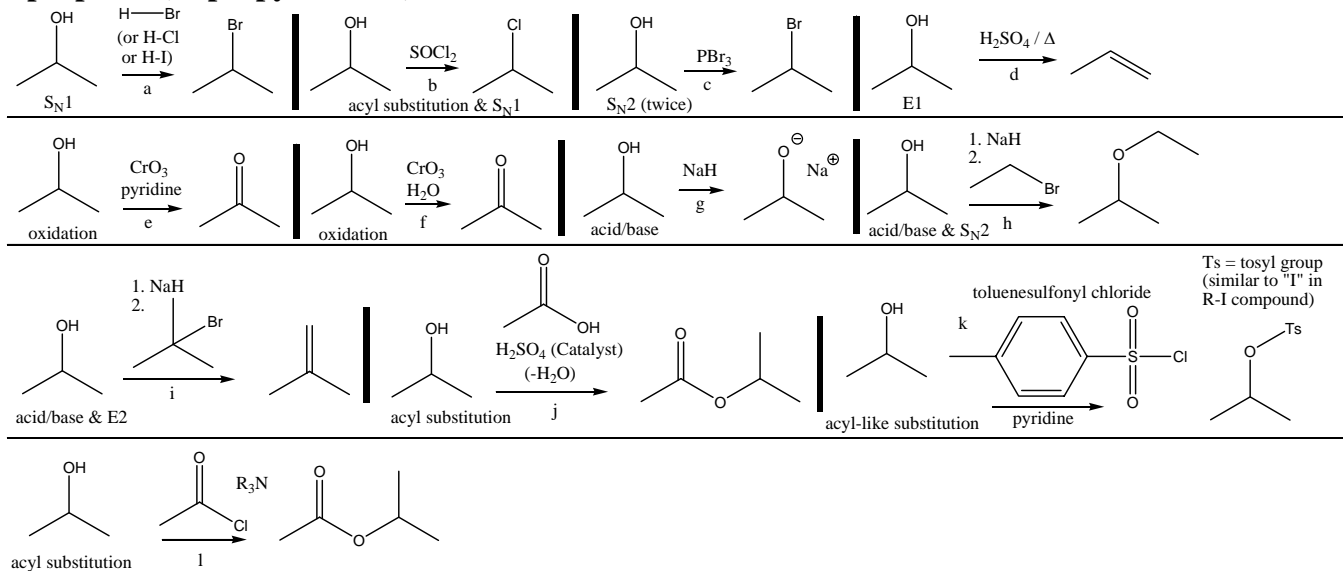
Possible Answers: Alkane Reactions**RX Reactions****1-bromopropane****2-bromopropane****2-bromo-2-methylpropane**

ROH Reactions

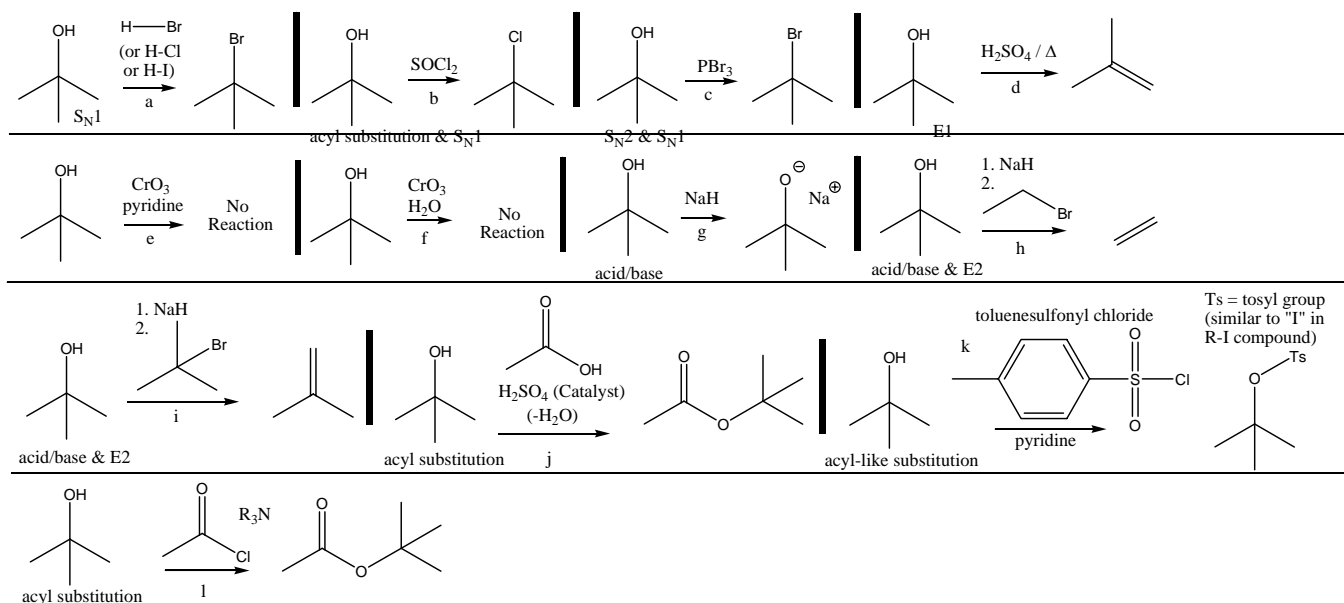
1-propanol



2-propanol (isopropyl alcohol)

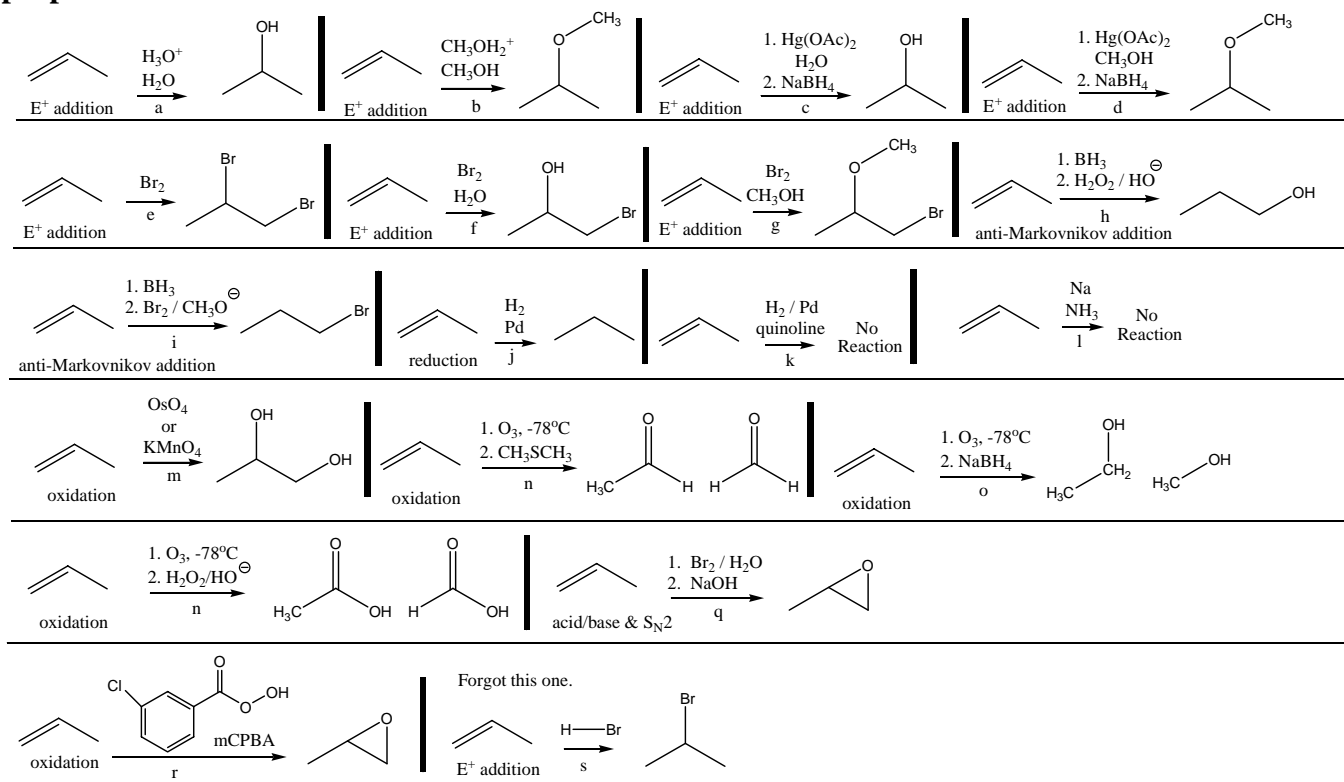


2-methyl-2-propanol (t-butyl alcohol)

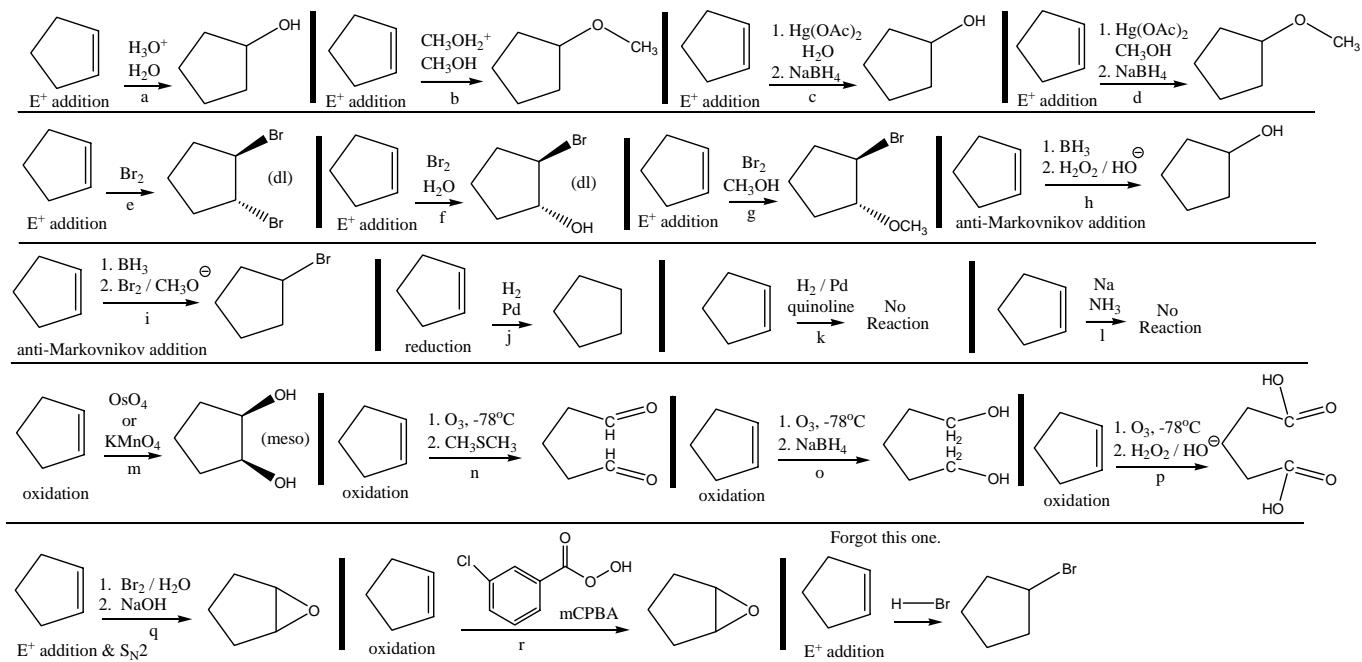


Alkene Reactions

propene

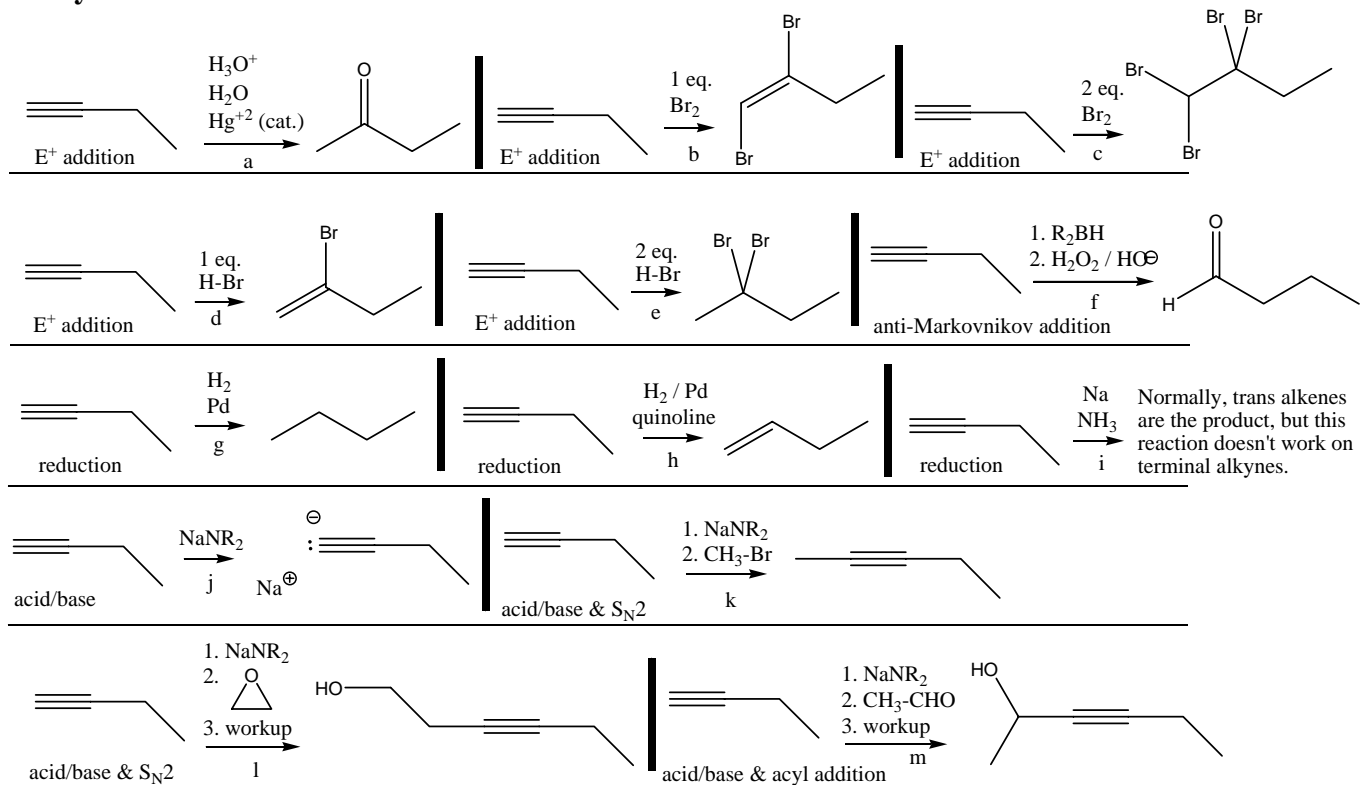


cyclopentene

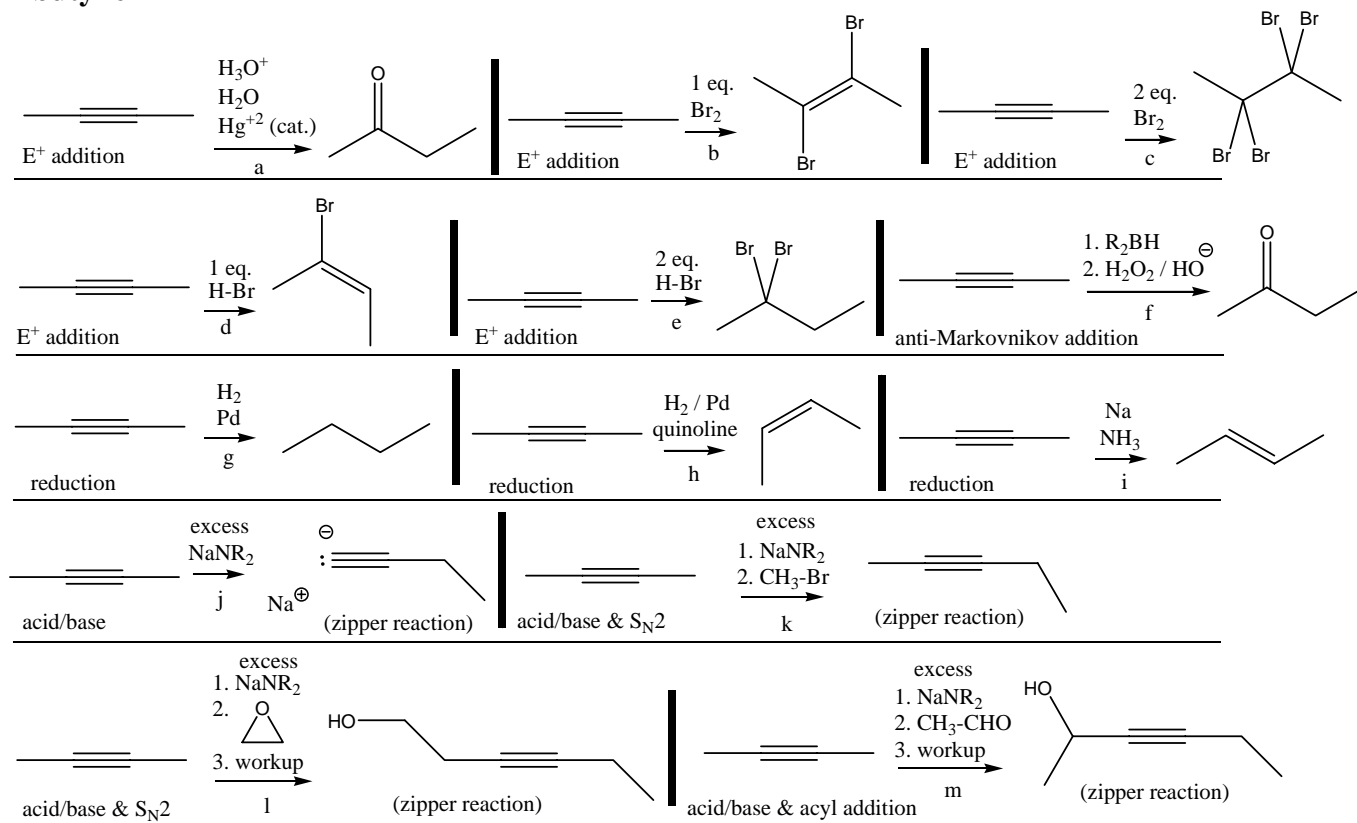


Alkyne Reactions

1-butyne

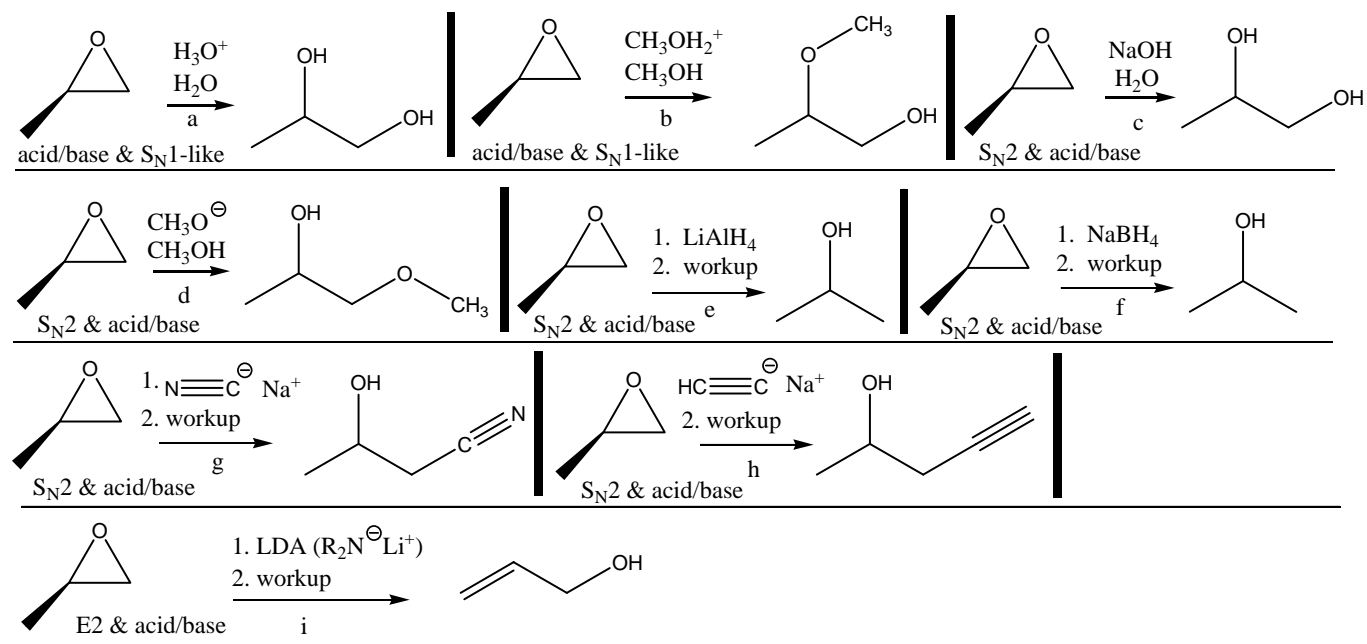


2-butyne

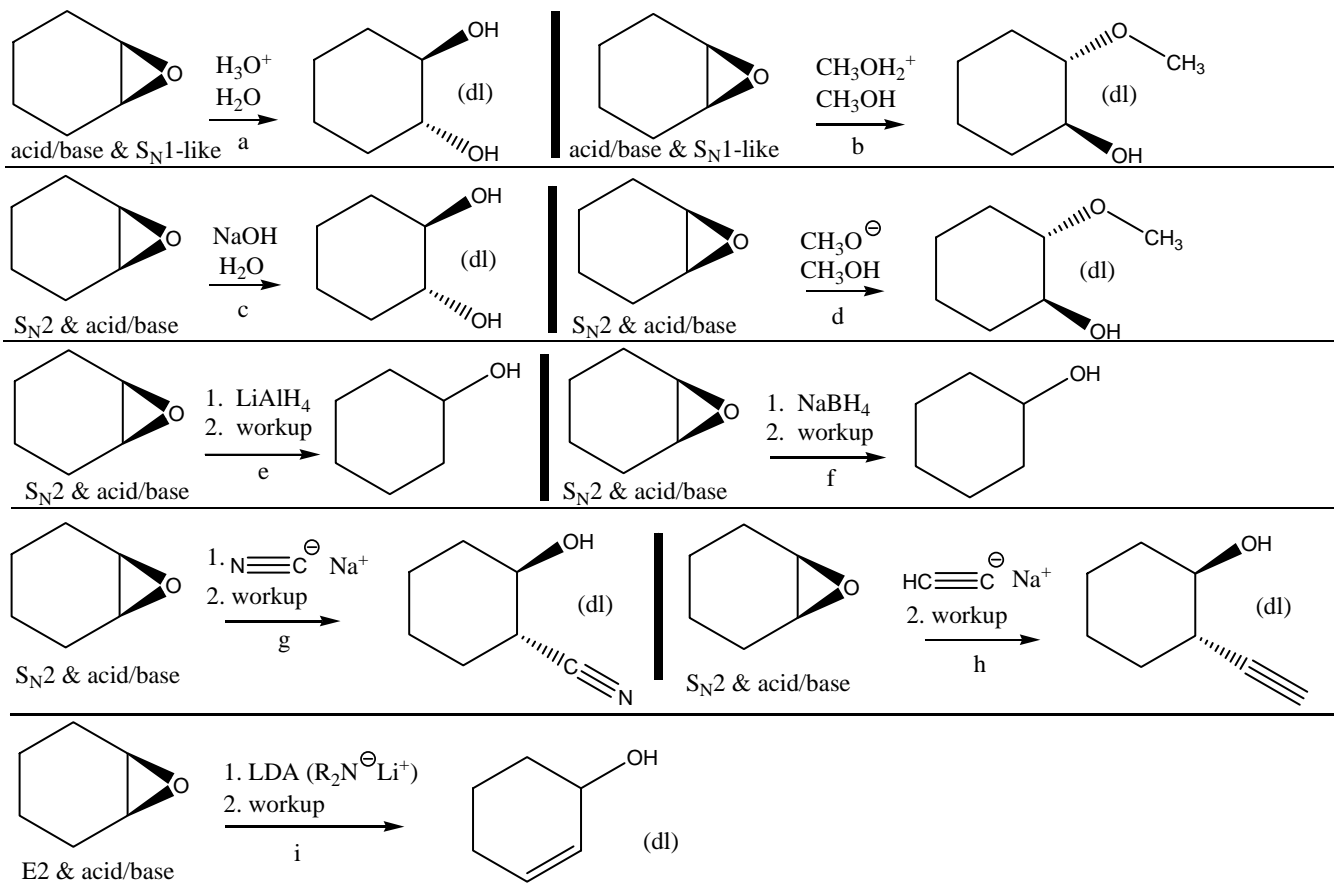


Epoxide Reactions

propeneoxide

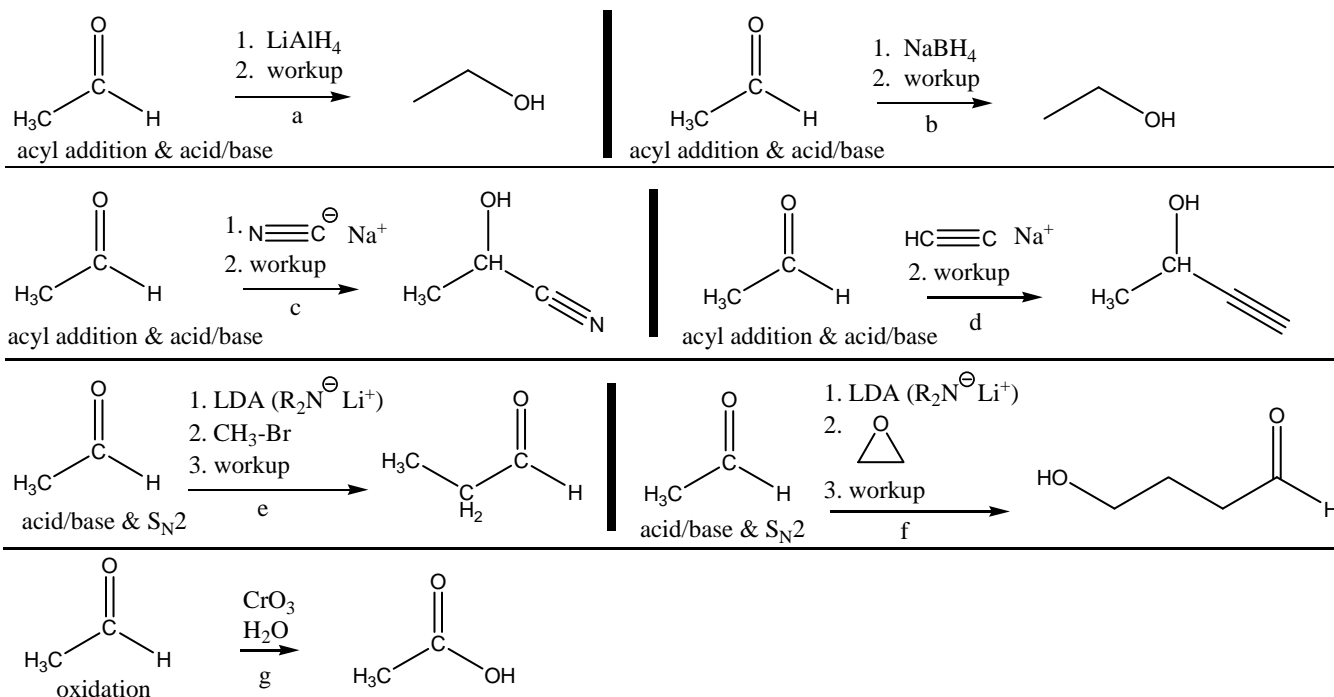


cyclohexeneoxide



Carbonyl Reactions

ethanal (acetaldehyde)



propanone (acetone)

