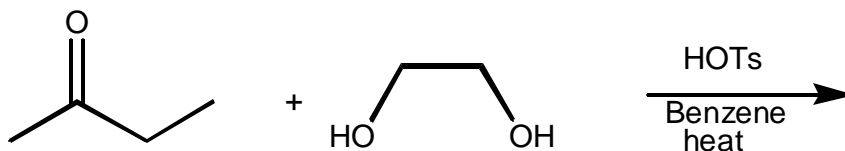


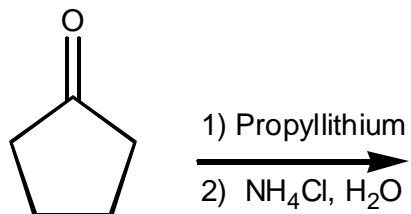
CHEMISTRY 353
G. S. Kriz
PROBLEM SOLVING SESSION #4
April 27, 2006

1. Draw the structures of the products formed in each of the following reactions.

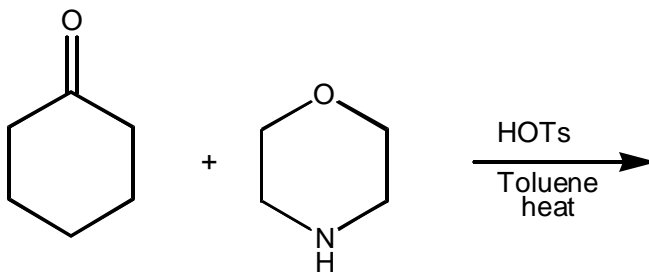
a)



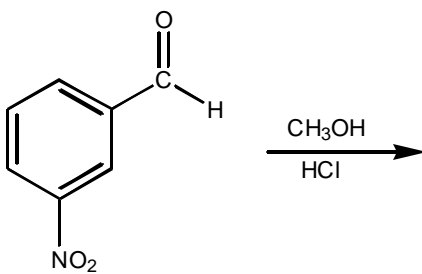
b)



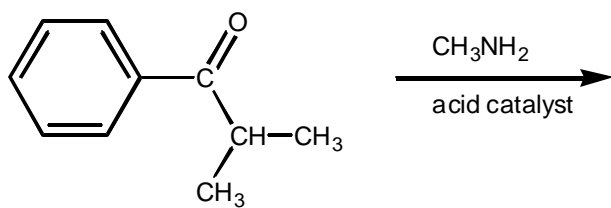
c)



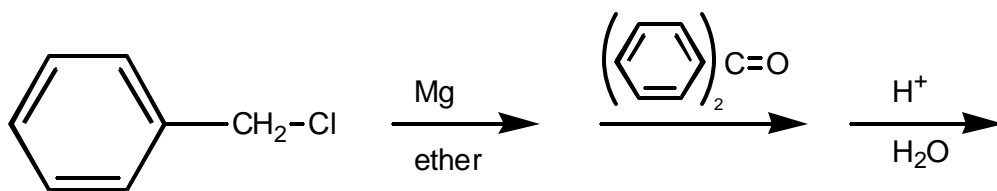
d)



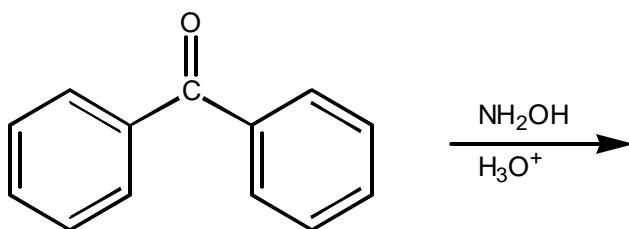
e)



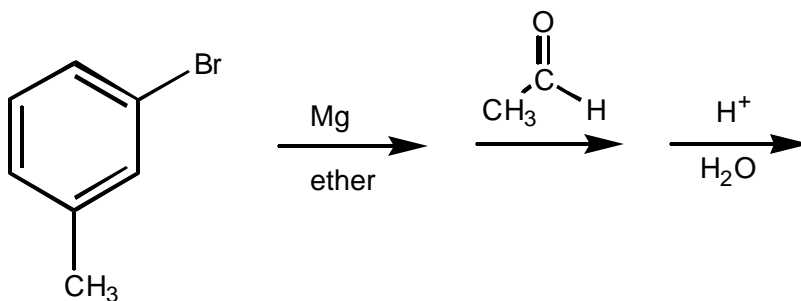
f)



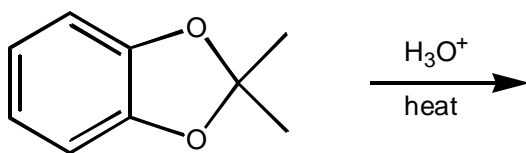
g)



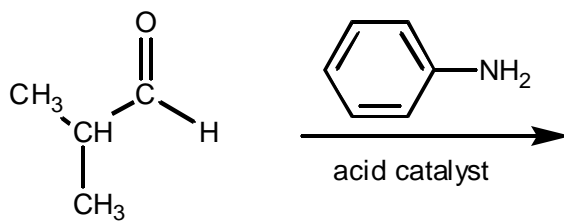
h)



i)

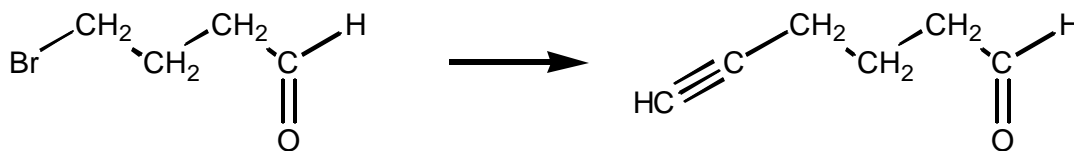


j)

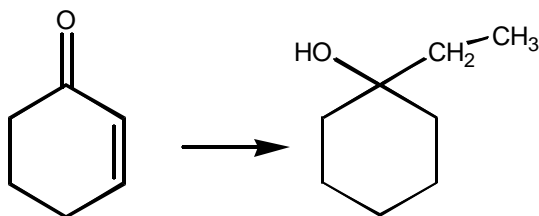


2. Outline a method for the synthesis of each of the following compounds. You may need to use reactions from previous chapters. You may use any additional needed reagents, provided that they can be found in the Chemistry Stockroom.

a)



b)



c)

