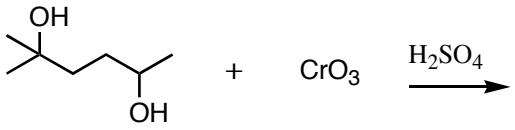
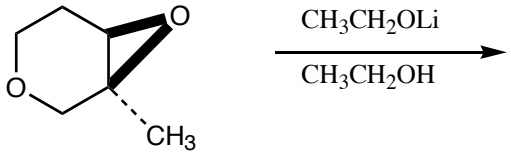
Name_____

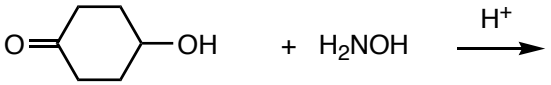
CHE 311
Sp 2008
Exam 1
Ch 12-14

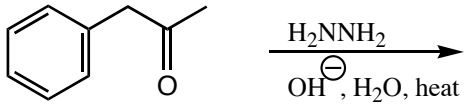
1. (25 pts) Complete the following reactions, clearly indicating stereochemistry where appropriate. If a mixture of diastereomers is formed, draw all the products. If a mixture of enantiomers is formed, draw one enantiomer only, and add the phrase " + enantiomer ".

a) 

b) 

c) 

d) 

e) 

2. (10 pts) Complete the reaction below and <u>briefly explain</u> why one of the products exists in the enol form.