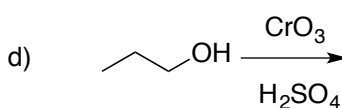
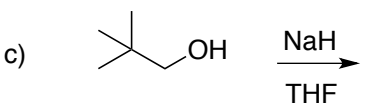
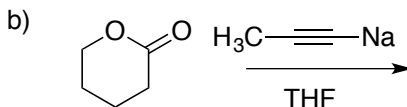
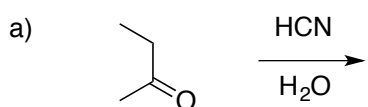
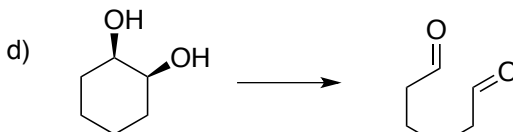
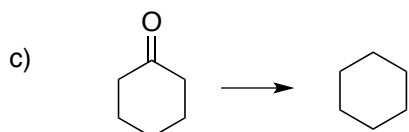
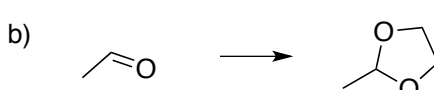
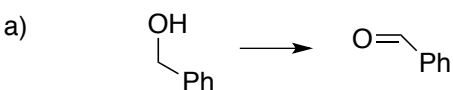


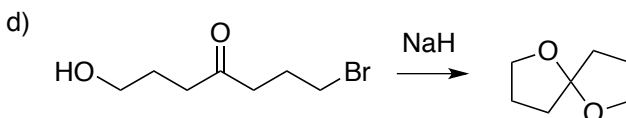
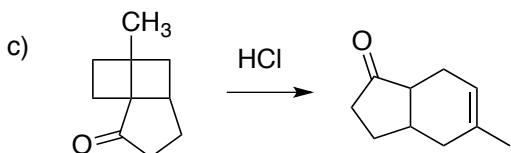
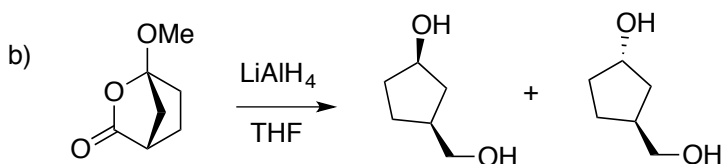
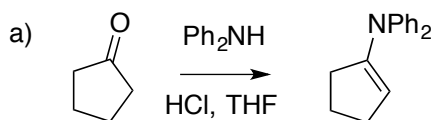
## 1) Predict the products of the following reactions



## 2) Propose reagents to carry out the following reactions.



## 3) Show a mechanism that explains the following transformations



## 4) How would you carry out the following syntheses.

