

Chemistry 220b, Section 1  
Quiz 3 (25 pts)  
Thursday, March 24, 2011  
Chapter 17-18

Name \_\_\_\_\_

Write and sign the VU Honor Pledge:

\_\_\_\_\_  
signature

This Quiz is closed book and closed notes

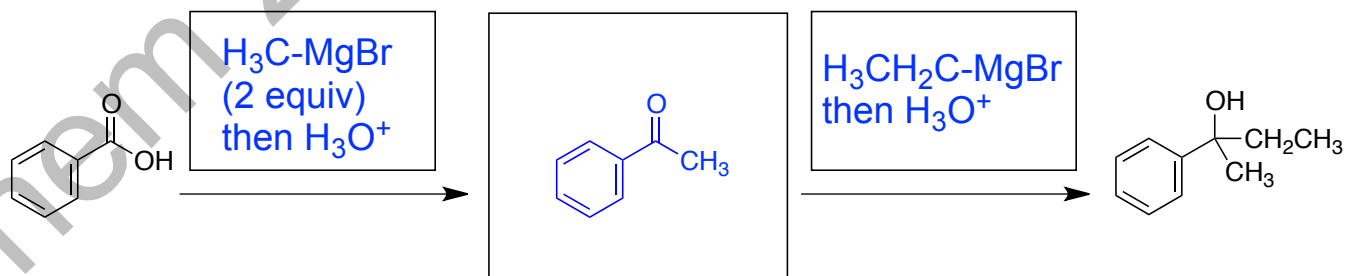
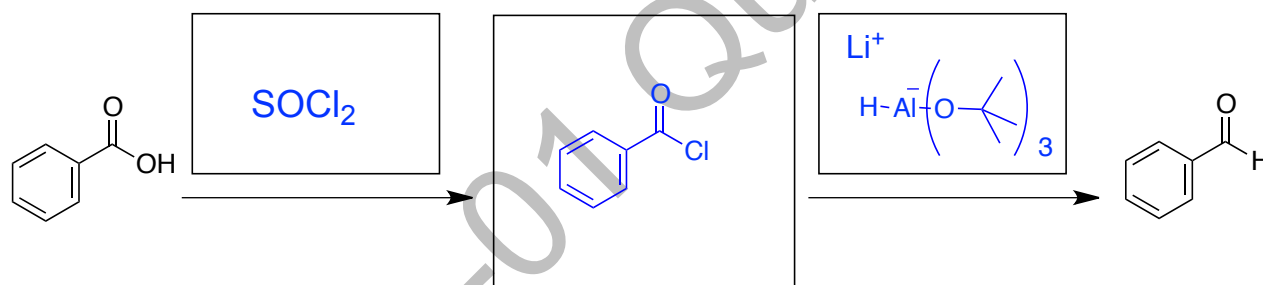
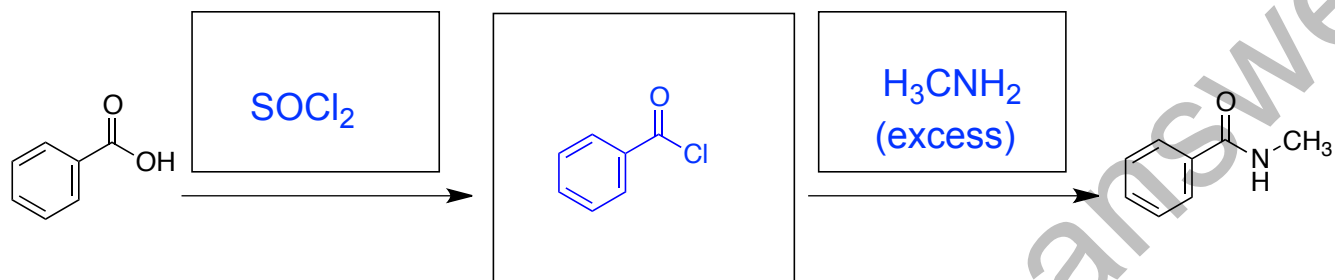
**NOTE:** It is difficult for me to give you partial credit if you do not show your work!

Neatness counts

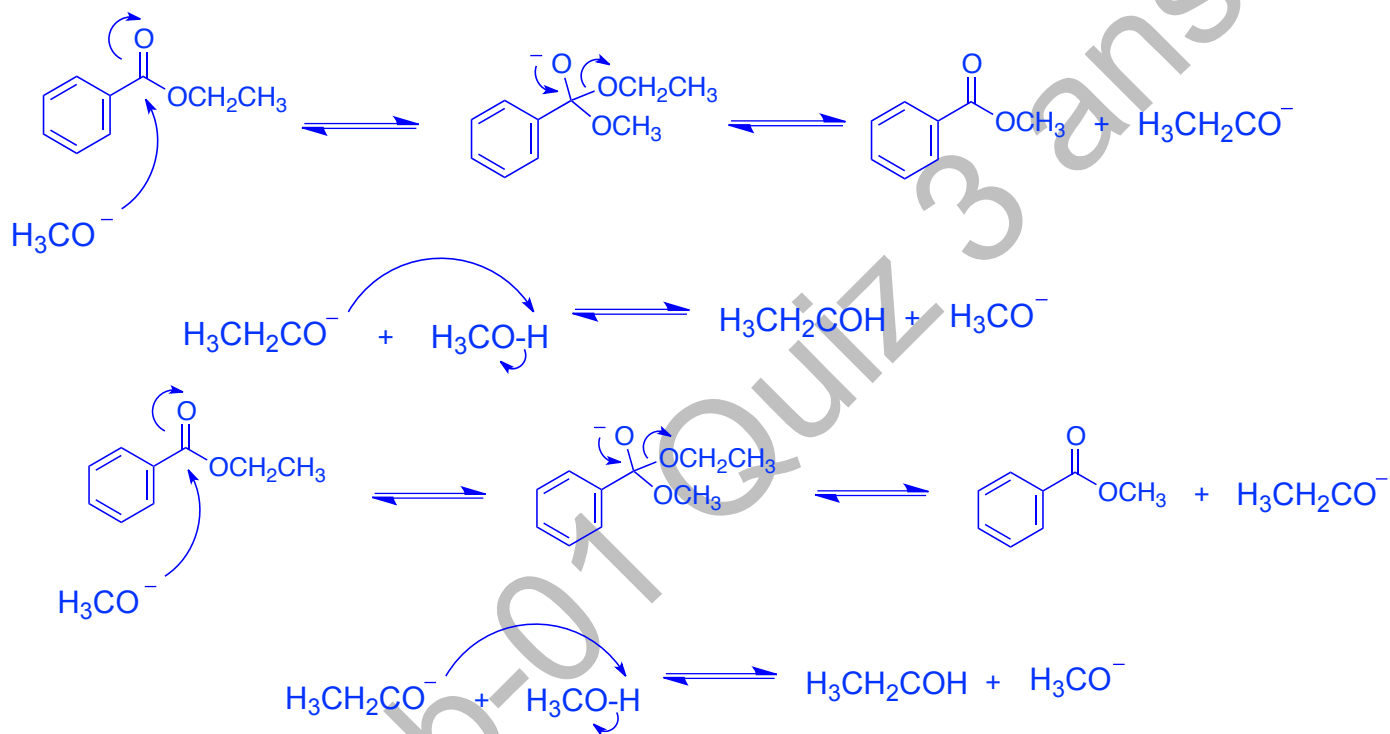
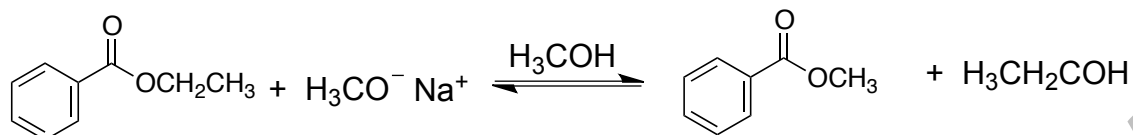
Good Luck !!

1. The following transformations cannot be done in one step. Provide all necessary reagents and show the intermediate(s) of the reaction sequences. (15 pts)

Note: other answers may be acceptable



2. Give a complete mechanism for the transesterification of ethyl benzoate to methyl benzoate with catalytic sodium methoxide in methanol. (10 pts)



Problem 1: \_\_\_\_\_ (15 pts)

2: \_\_\_\_\_ (10 pts)

Total out of 25: \_\_\_\_\_