

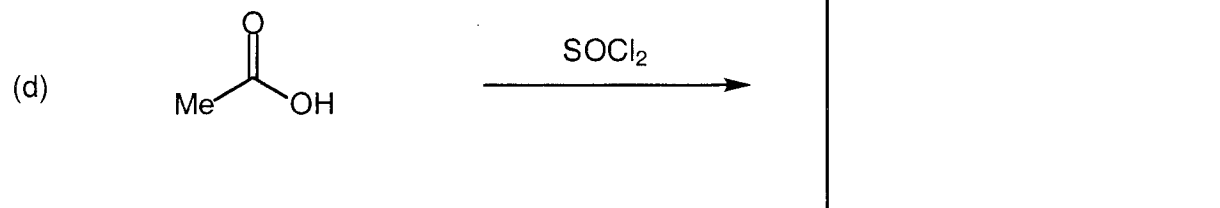
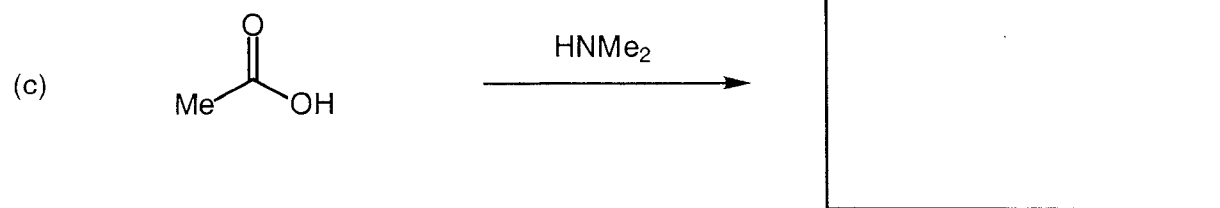
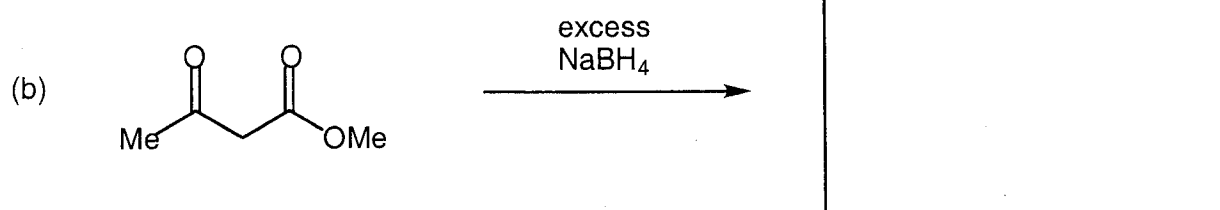
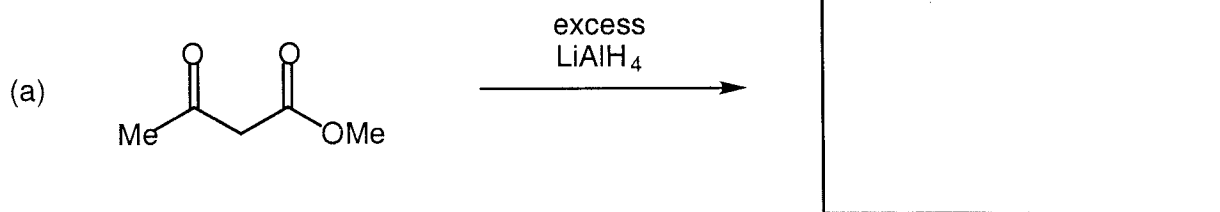
Massachusetts Institute of Technology

5.13: Organic Chemistry II

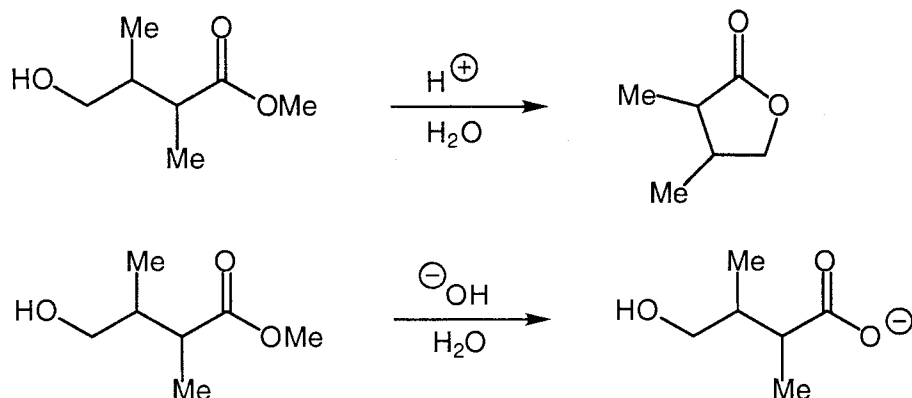
Spring 2003

Practice for Test 3

(1) Draw the products of the following reactions. Write "NR" if no reaction occurs.



- (2) (a) Provide a mechanism to account for the illustrated transformations. Please carefully show all arrow-pushing.



- (b) Briefly provide an explanation for why these two reactions afford different products.

- (3) Synthesize the indicated compounds from the allowed organic starting materials and any inorganic reagent.

*Allowed starting materials*

