



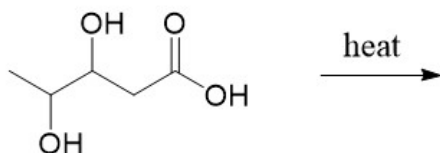
Chapter 20 Carboxylic Acids & Their Derivatives, Part 3 – [Practice Problems](#)

Predict the major product of the following reaction sequence.

1

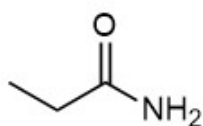


2

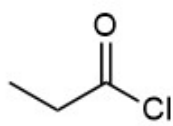


3

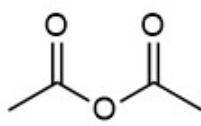
Arrange the given species in the order of DECREASING electrophilicity (best E^+ to worst E^+).



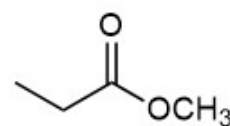
I



II



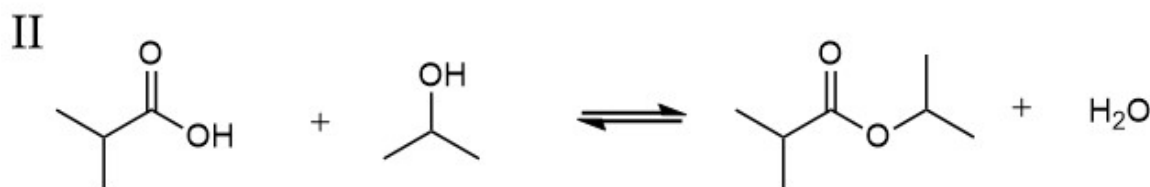
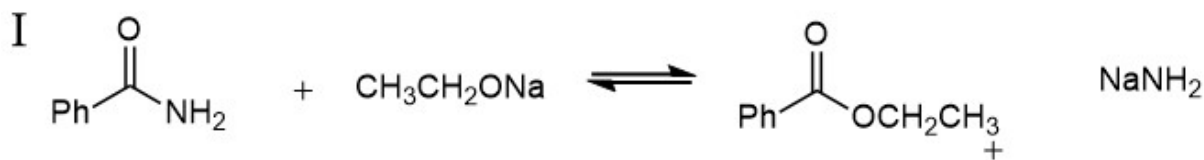
III



IV

4

For each, predict whether the forward or reverse reaction is favored.



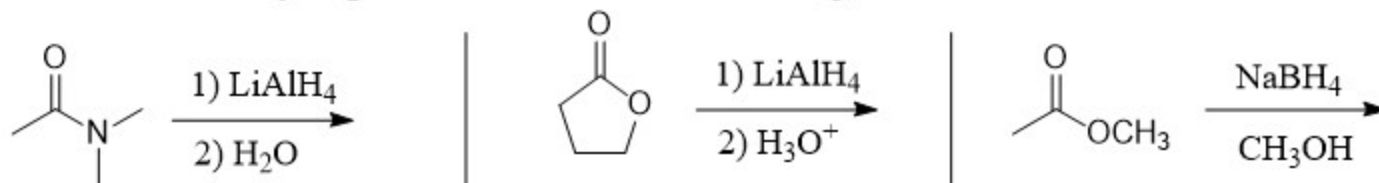
Predict the major products for the following reactions.

5



6

Predict the major products for the following reactions.



7

Provide the necessary reagents.

