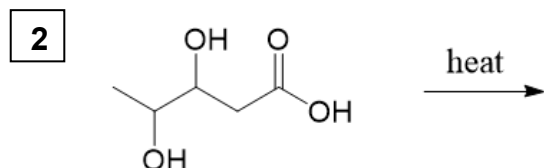
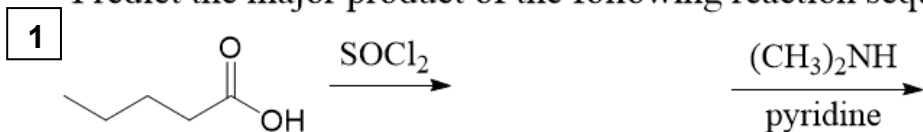


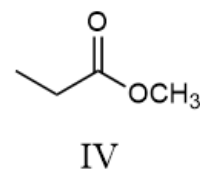
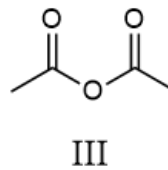
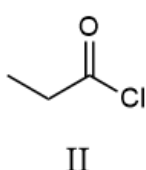
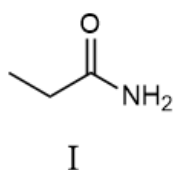


Chapter 20 Carboxylic Acids & Their Derivatives, Part 3 – [Practice Problems](#)

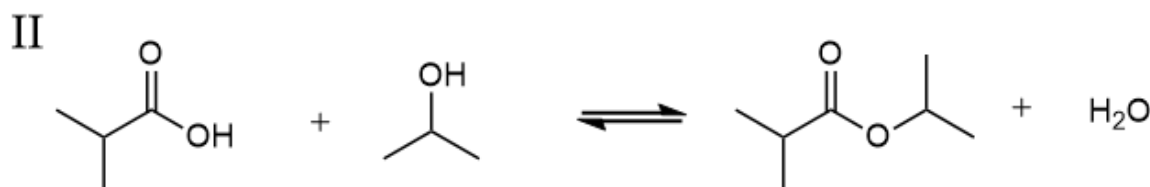
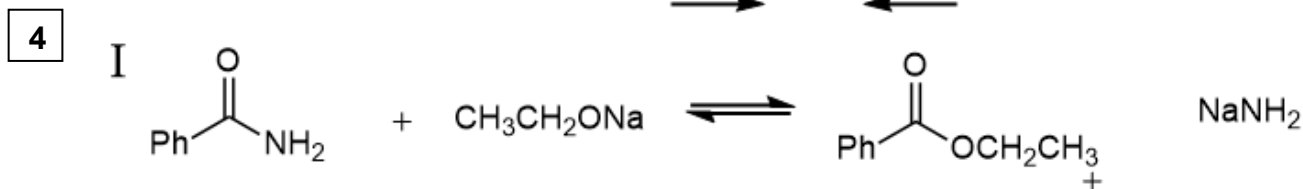
Predict the major product of the following reaction sequence.



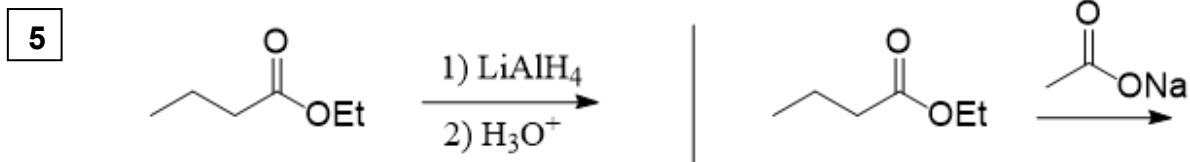
3 Arrange the given species in the order of DECREASING electrophilicity (best E^+ to worst E^+).



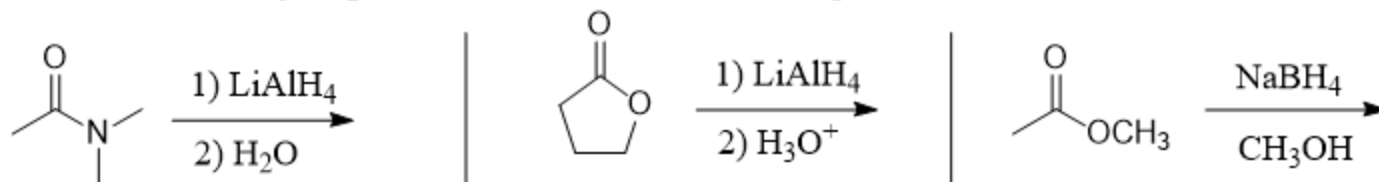
For each, predict whether the forward or reverse reaction is favored.



Predict the major products for the following reactions.

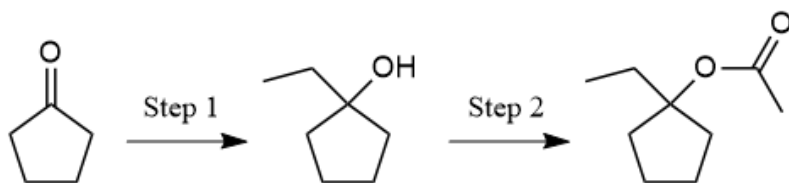


6 Predict the major products for the following reactions.



7

Provide the necessary reagents.



- I. 1) EtNa; 2) H_3O^+ ; 3) AcCl, pyridine
- II. 1) EtLi; 2) H_3O^+ ; 3) AcCl, pyridine
- III. 1) EtMgBr; 2) H_3O^+ ; 3) AcOH, pyridine
- IV. 1) EtMgBr; 2) H_3O^+ ; 3) AcOH, H_2SO_4