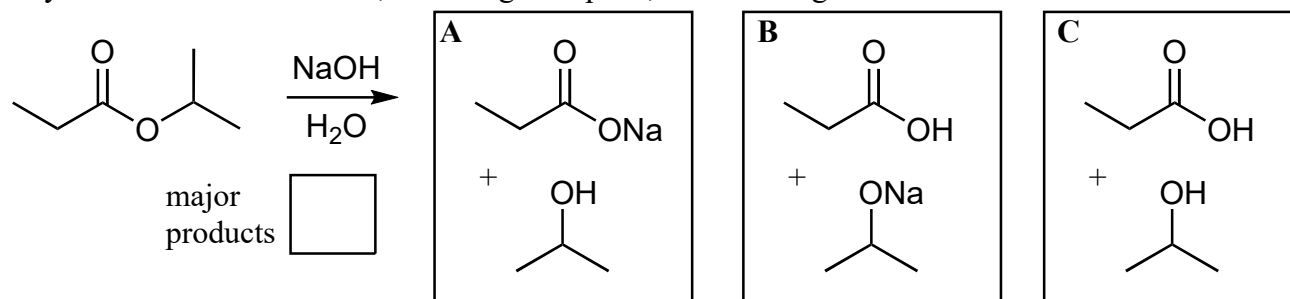
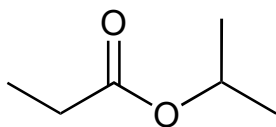


4A. (12 pts) Predict the major products (A, B or C) and provide a complete mechanism for their formation. Pay close attention to details, including lone pairs, formal charges and the use of curved arrows.

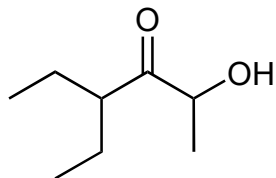
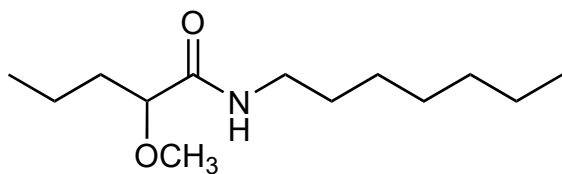


Mechanism:



Nomenclature (12 pts)

4B. Name the following compounds according to the IUPAC rules. You must show your work.



4C. Draw 3-methylbutyl propanoate.