

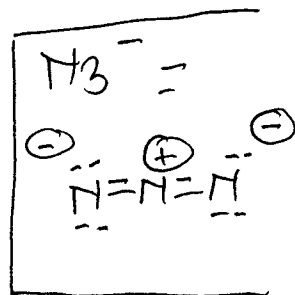
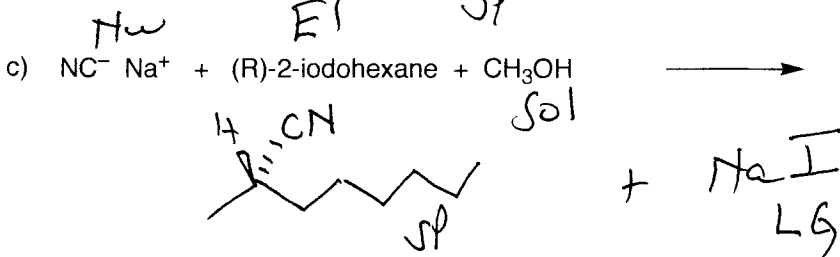
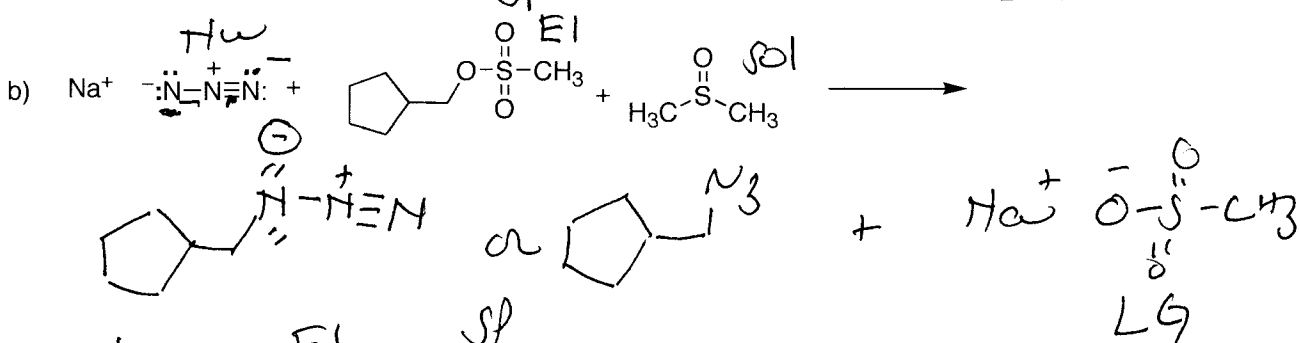
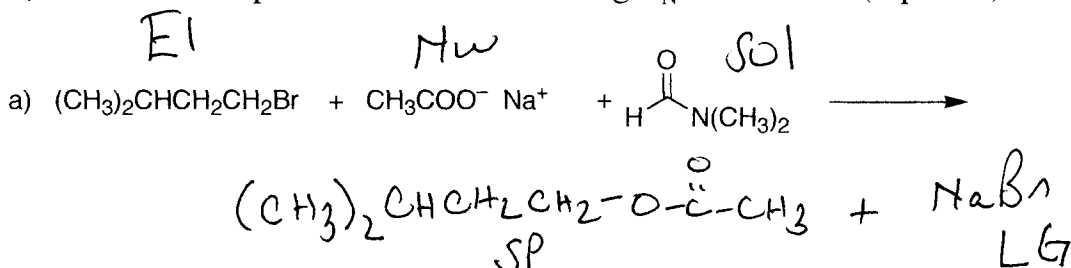
Suggested Answers

NAME _____

SIGNATURE _____

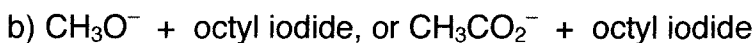
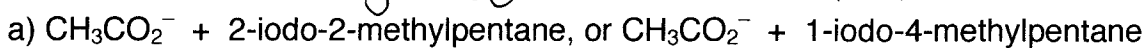
S_N2 Reactions

1) Show all the products of the following S_N2 reactions. (3 points)



2) For each of the reactions in Problem 1, indicate the nucleophile, the electrophile, the solvent, the substitution product and the leaving group. (3 points)

3) For each pair of reactions below, indicate which one is faster and briefly explain why. (4 points)



1 is faster, more basic nucleophile is better

3°-iodide much faster due to sub effect vs sub (1°) 7°