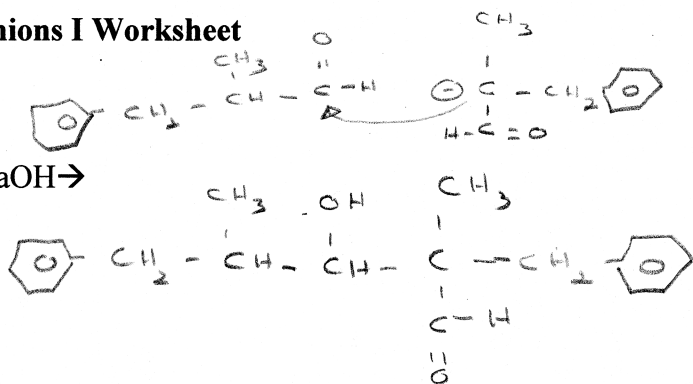
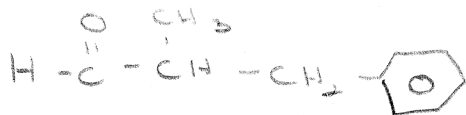


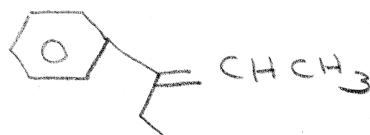
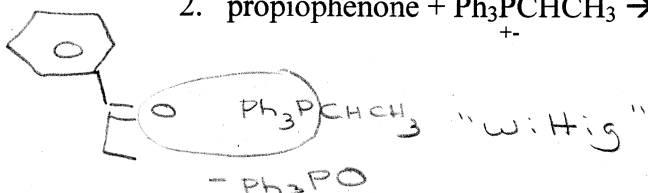
Chapter 21: Carbanions I Worksheet

REACTIONS:

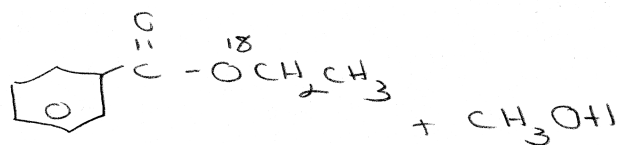
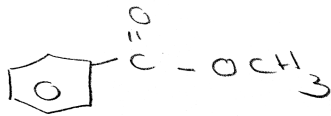
1. 2-methyl-3-phenylpropanal + dilute NaOH →



2. propiophenone + Ph₃PCHCH₃ →

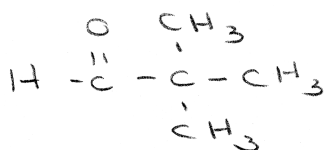


3. methyl benzoate + CH₃CH₂O¹⁸H, H⁺ →

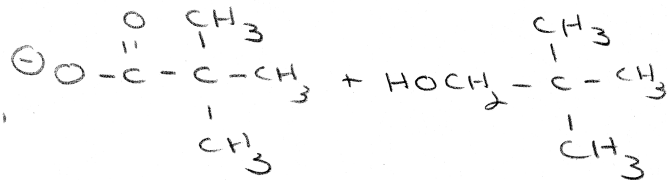


"Transesterification"

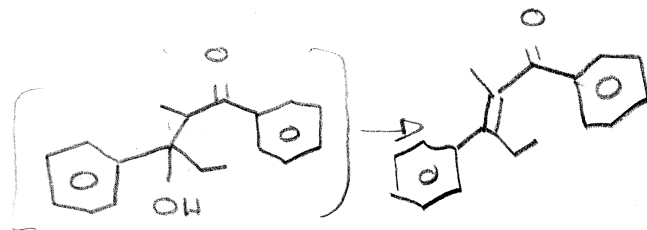
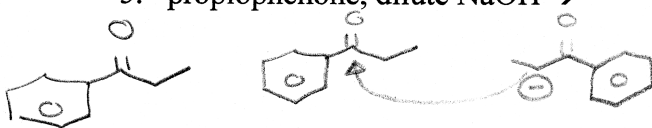
4. 2,2-dimethylpropanal, conc. NaOH →



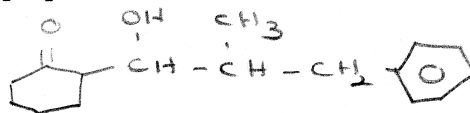
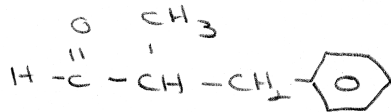
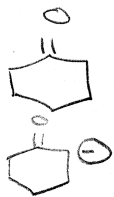
"Cannizzaro"



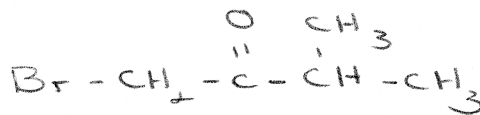
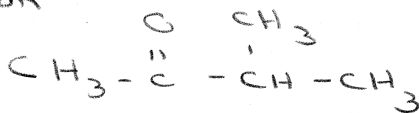
5. propiophenone, dilute NaOH →



6. cyclohexanone + 2-methyl-3-phenylpropanal, dilute NaOH →



7. 3-methyl-2-butanone + Br₂, OH⁻ →



1° > 2° > 3°