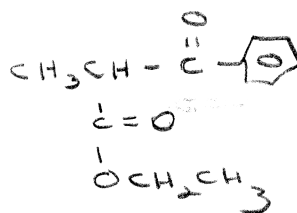
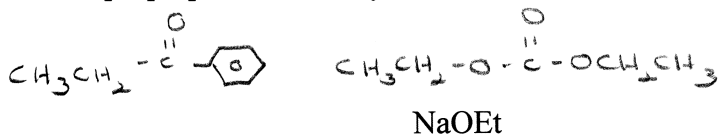


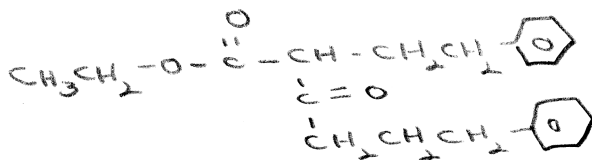
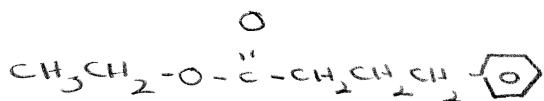
Chapters 21 and 25: Carbanions II Worksheet

REACTIONS:

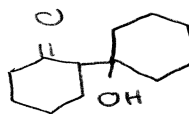
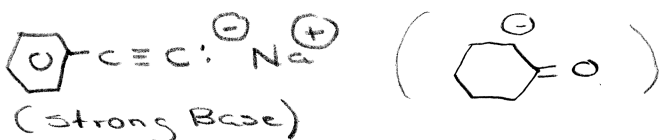
1. propiophenone + ethyl carbonate $\xrightarrow{\text{NaOEt}}$



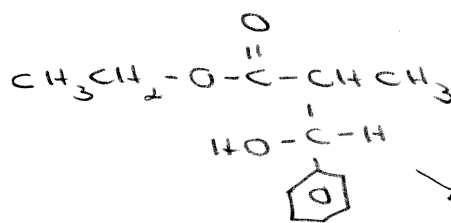
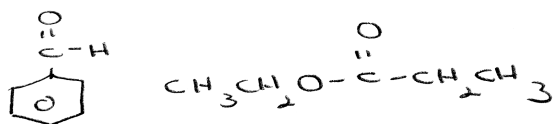
2. ethyl 4-phenylbutanoate $\xrightarrow{\text{NaOEt}}$



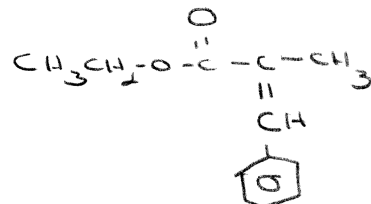
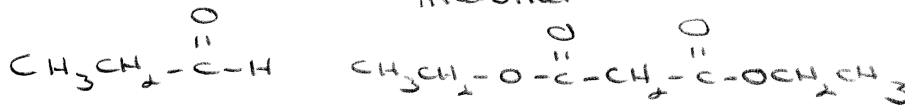
3. sodium phenylacetylide + cyclohexanone \rightarrow



4. benzaldehyde + ethyl propanoate $\xrightarrow{\text{base}}$



5. ethyl formate + ethyl malonate $\xrightarrow{\text{NaOEt}}$



6. Synthesis of 2-butanone from ethylacetoacetate

