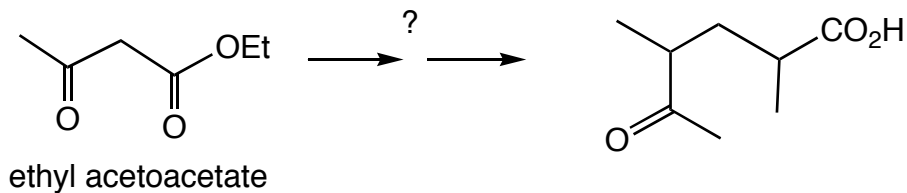


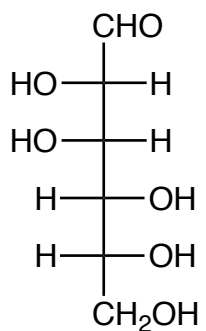
## Chemistry 3371, Quiz 8

Name \_\_\_\_\_ Recitation Day \_\_\_\_\_ April 22, 2005

1. (10 points) Show how the following molecule can be synthesized from compounds containing five or fewer carbons and ethyl acetoacetate.



2. (10 points) Show the Haworth and conformational structures for  $\alpha$ -(D)-mannopyranose and methyl  $\alpha$ -(D)-mannopyranoside. For the conformational structures show both chair conformations. For credit, structures must be drawn clearly.



(D)-mannose