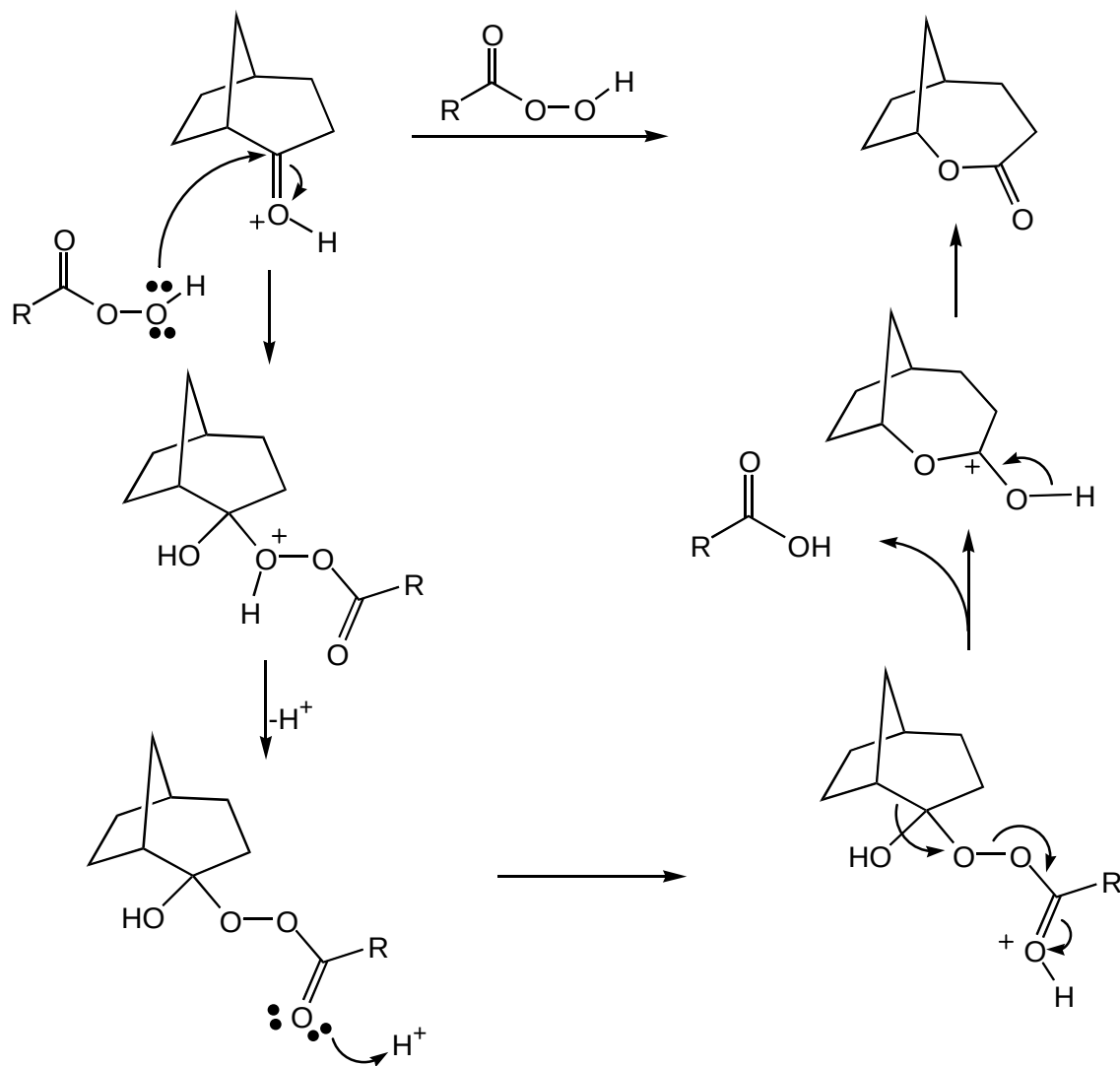


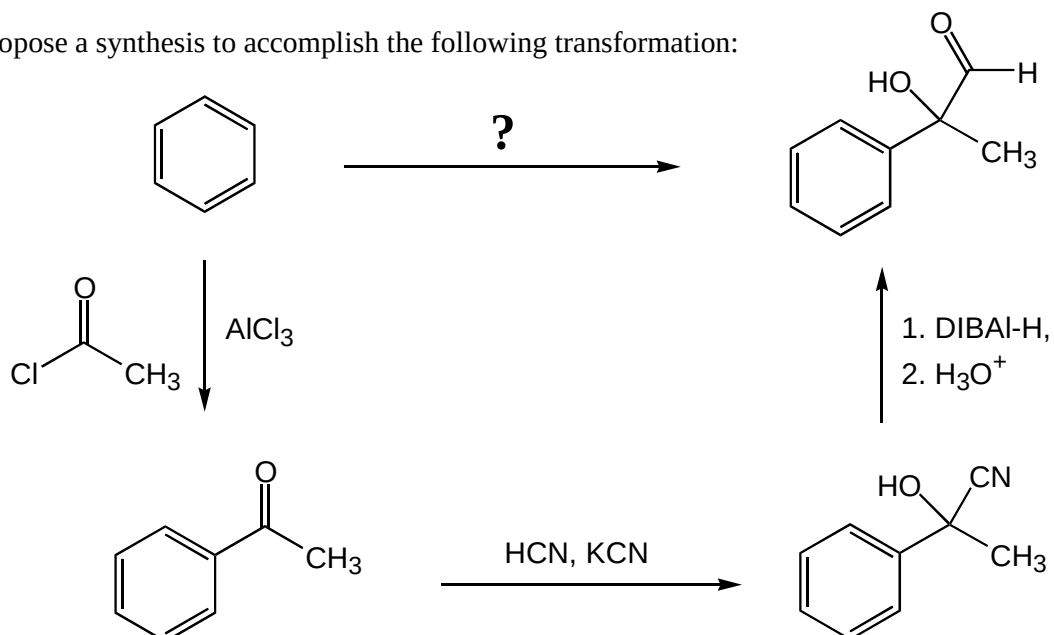
Organic Chemistry c3444y

Problem Set 5 - Answer Key

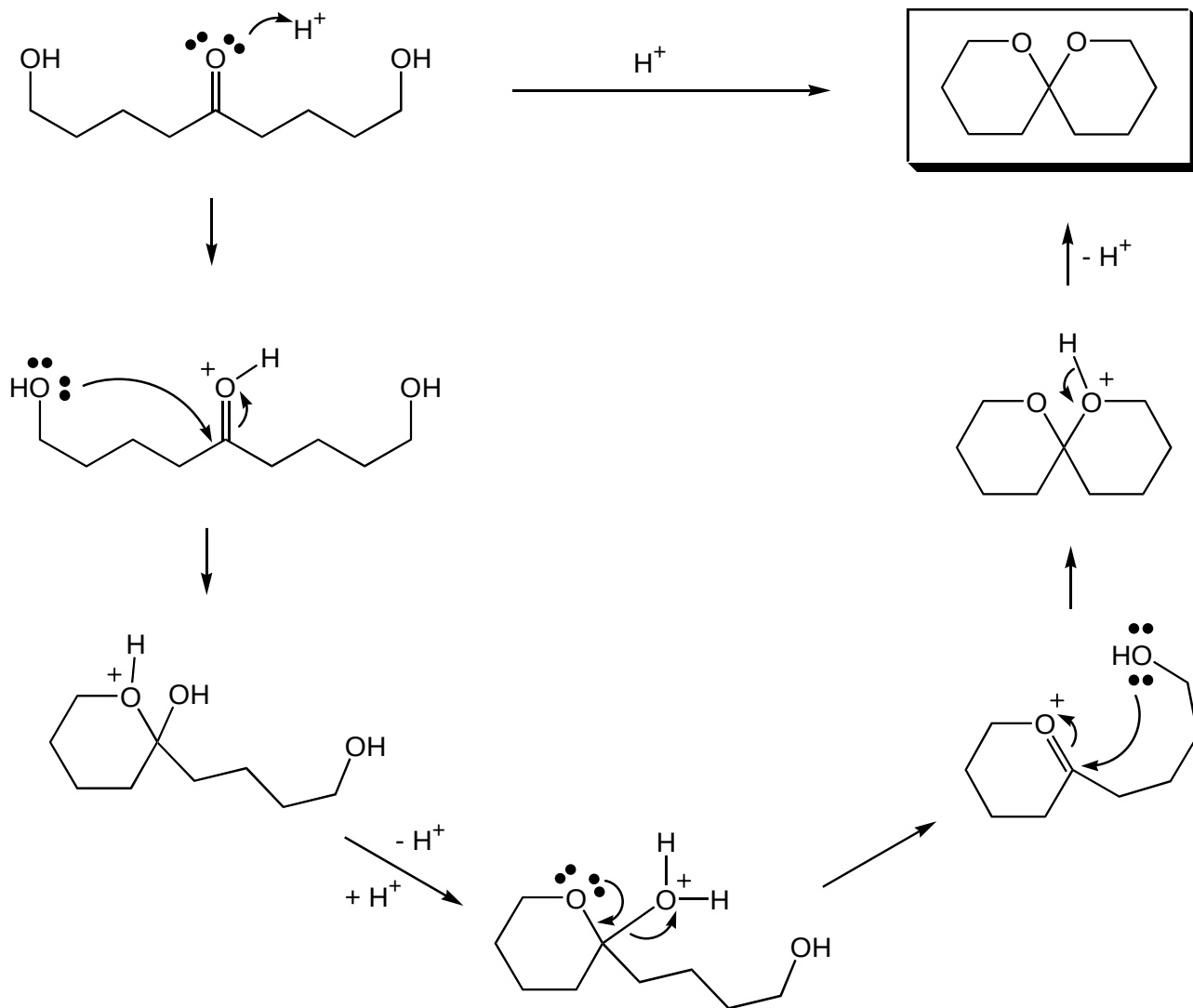
1. Write out a mechanism for, and predict the product of the following Baeyer-Villiger oxidation:



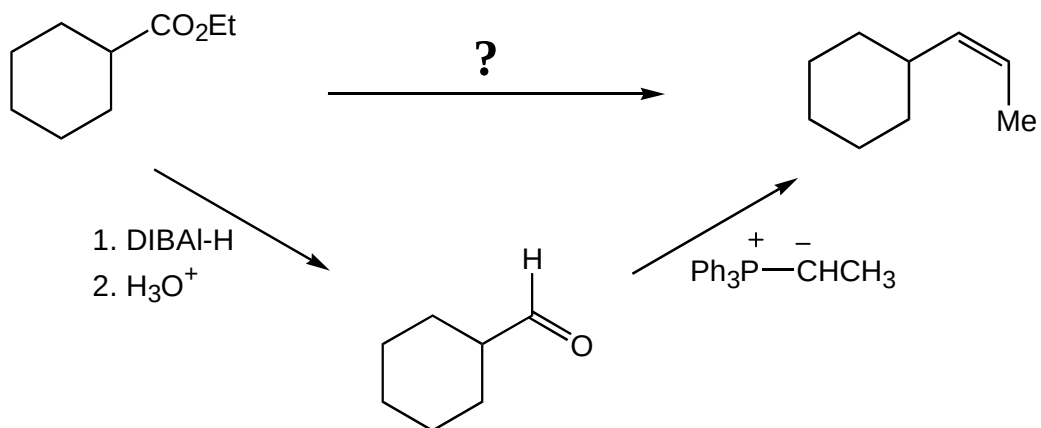
2. Propose a synthesis to accomplish the following transformation:



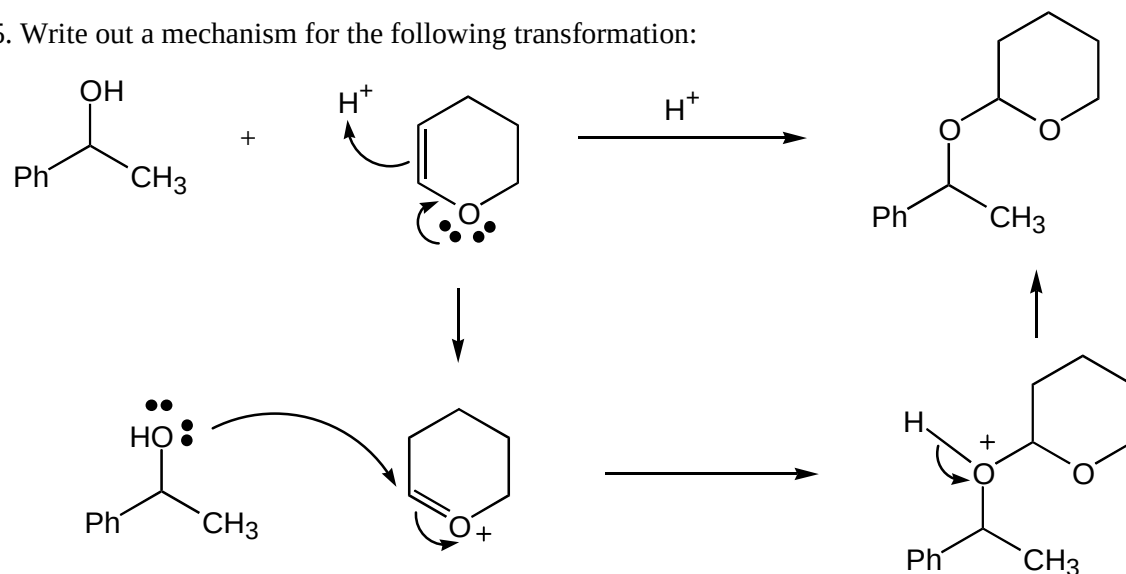
3. Write out a mechanism for, and predict the product of the following reaction:



4. Propose a synthesis to accomplish the following transformation:



5. Write out a mechanism for the following transformation:



6. As we said in class, imine formation is reversible, and the reverse reaction is driven by using an excess of water as well as acid. Write a mechanism for the following transformation:

