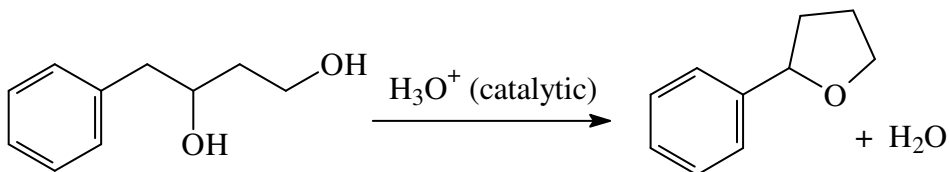


Chapter 17 Problems

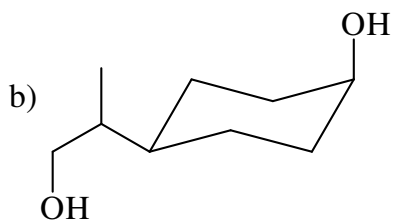
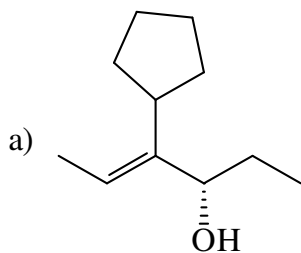
1.(10) Using any reagents that are appropriate (organometallic, organic, inorganic) propose a sequence of chemical steps that accomplishes the following transformation. List the reagents in order. **Also, After each chemical step, draw the intermediate compound.**



2.(10) Provide a clear mechanism for the following transformation. Use arrows to indicate electron flow and show all intermediates.



3.(10) Name the following compounds:



4.(25) Give the final product of the following short syntheses.

