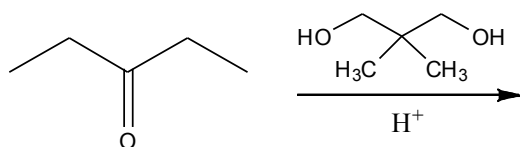
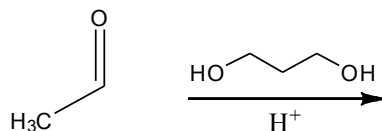
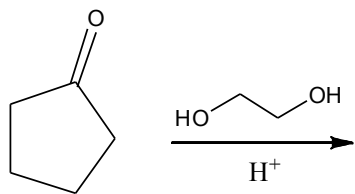
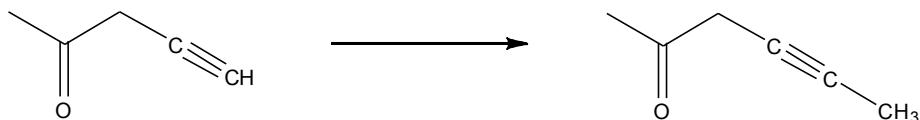


Synthesis of Acetals and use as Protecting Groups

1. Draw the structure of the acetals formed in each of the following reactions.



2. Provide the necessary reagents to synthesize the compound shown on the right from the given starting material.



3. Describe a short sequence of reactions to synthesize the compounds shown from the starting materials provided

