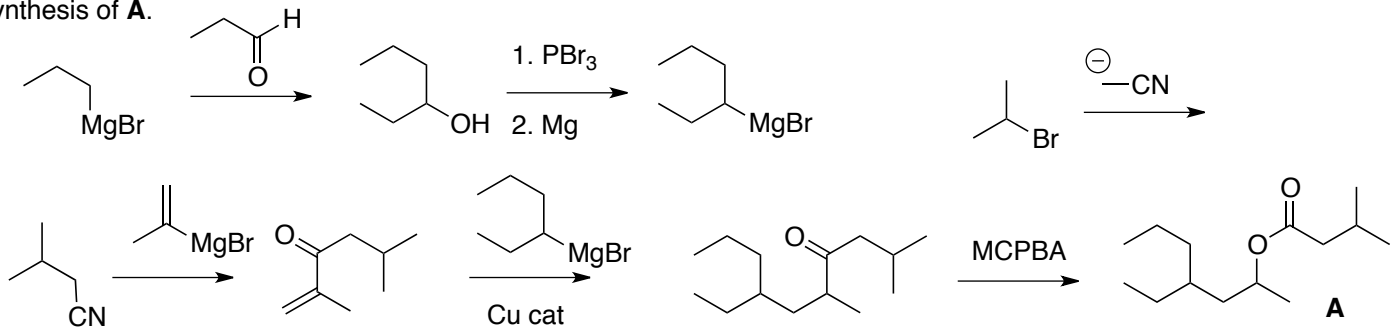
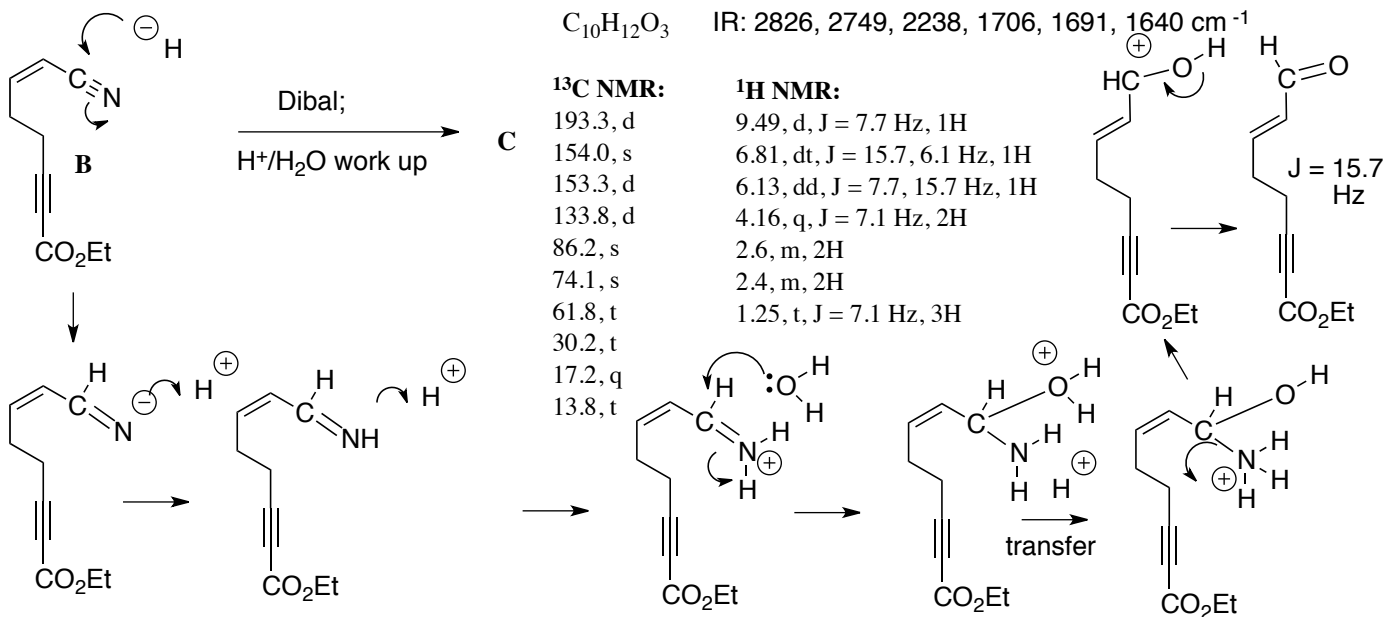


1. (10 points) Using any piece that contributes three or fewer carbons to the final product, outline a synthesis of **A**.



2. (10 points) Draw the structure of **C**, and the mechanism for its formation from **B**.



3. (10 points) Draw an arrow-pushing mechanism for the conversion of **D** to **E**.

