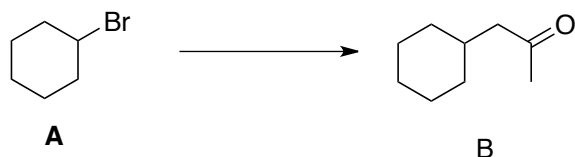
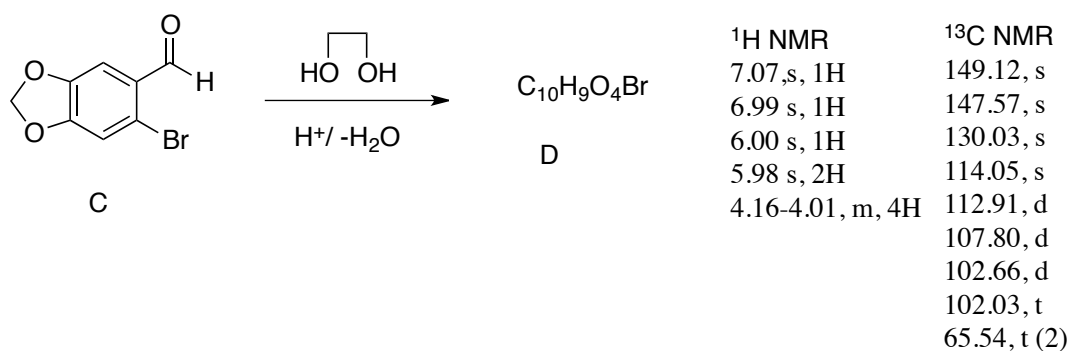


1.. (10 points) Show a synthetic scheme for converting **A** into **B**. You may use any piece that contributes three or fewer carbons to the final product.



2. (10 points) Deduce the structure of D, and draw an arrow-pushing mechanism for its formation.



3. (10 points) Draw and arrow-pushing mechanism for the coupling of E with F to give G.

