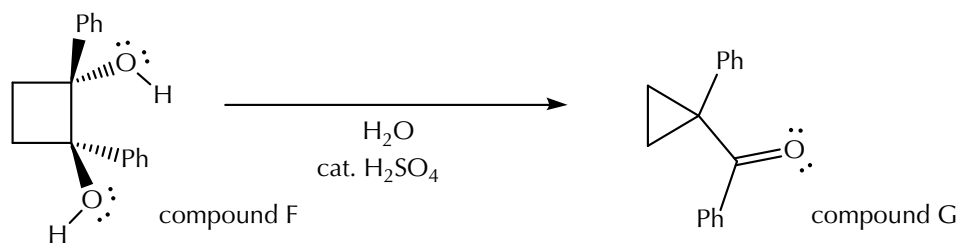
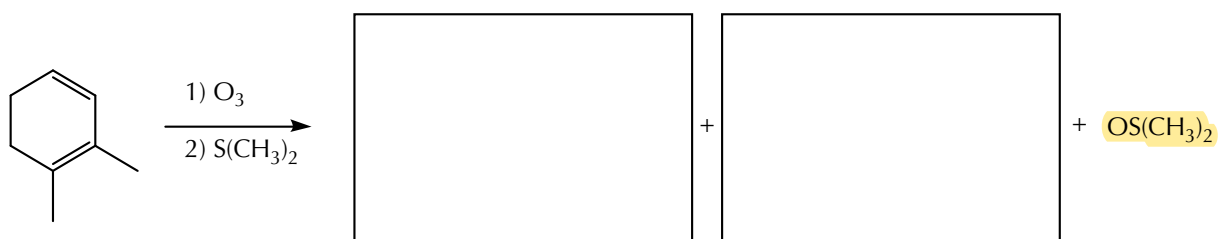


EQ 04.22

- A. Provide a complete curved arrow mechanism for the most straightforward conversion of compound F to G. Carefully consider the reaction conditions when choosing acids or bases to draw in your mechanism (i.e., use the actual acid and the actual base that are involved in the transformation).



- B. Provide the products of the following reaction.



- C. Draw a complete Lewis structure, including nonbonding electrons and/or formal charges if/as necessary, for a  $\text{C}_5\text{H}_5\text{O}^+$  isomer that fulfills the following criteria:

- all atoms are closed shell
- the molecule has an aromatic ring
- there are no H-bond donors in the molecule

