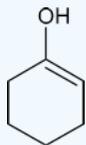
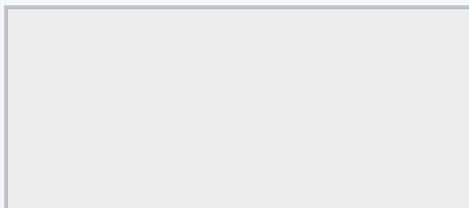


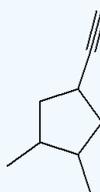
2. Draw the structure of the keto form of the compound shown below. Which form would you expect to be the most stable?



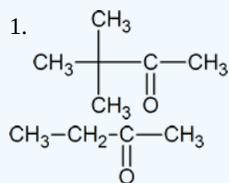
3. What alkyne would you start with to gain the following products, in an oxidation reaction? Keep in mind resonance.



4. Propose a reaction scheme for the following compound starting from the alkyne and showing required reagents and intermediates.



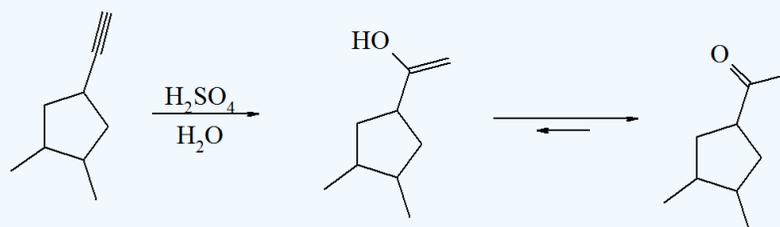
Answer



2. ; The keto form should be the most stable.

3.

4.



CONTRIBUTORS AND ATTRIBUTIONS

- Dr. Dietmar Kennepohl FCIC (Professor of Chemistry, [Athabasca University](#))
- Prof. Steven Farmer ([Sonoma State University](#))
- William Reusch, Professor Emeritus ([Michigan State U.](#)), [Virtual Textbook of Organic Chemistry](#)

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