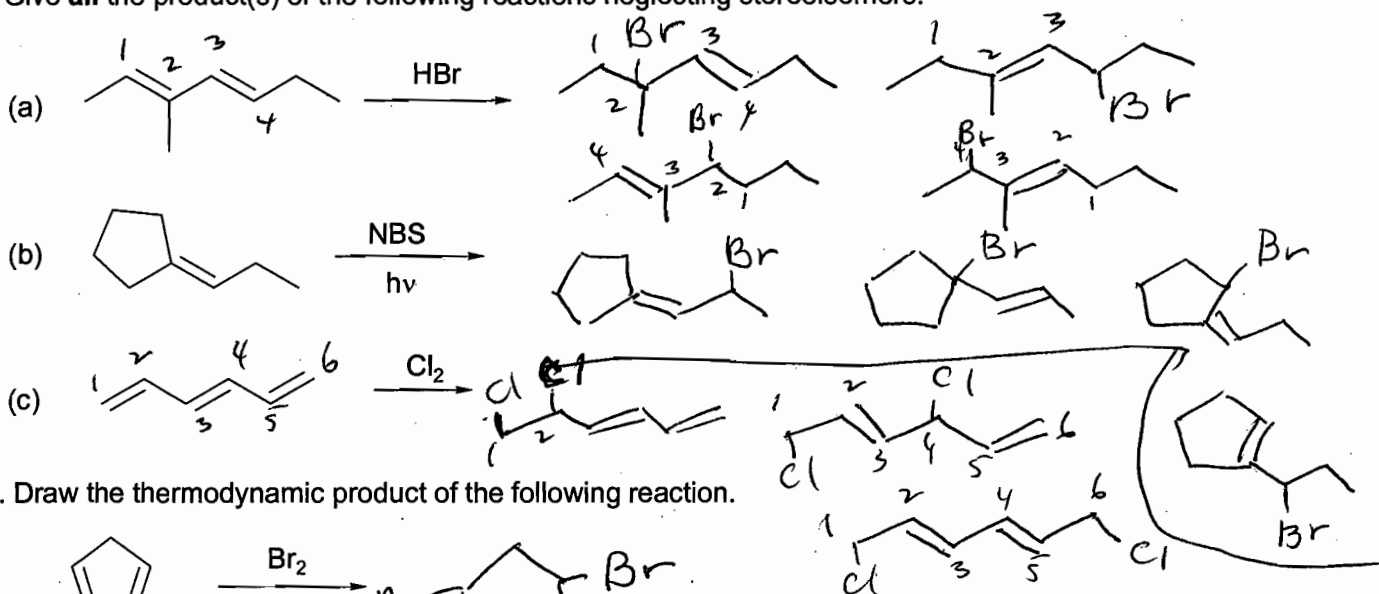


Name

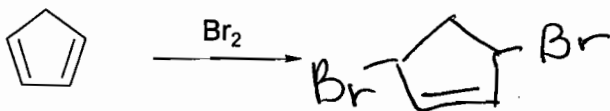
Keys

Chem 343 Quiz 12B
December 7, 2007

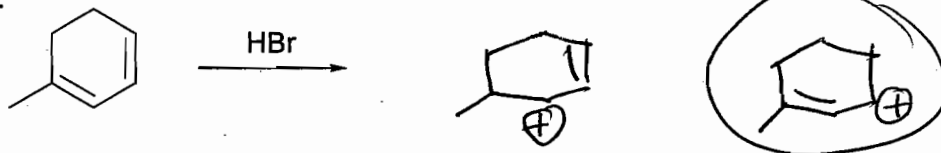
3 1. Give all the product(s) of the following reactions neglecting stereoisomers.



1 2. Draw the thermodynamic product of the following reaction.



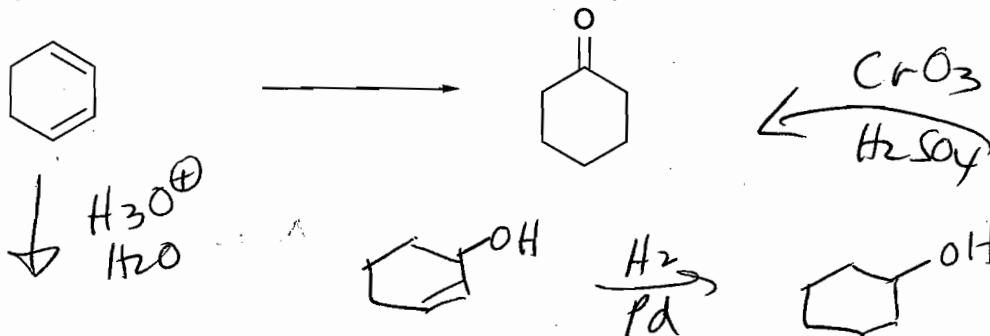
1 3. Draw the 2 cations which are intermediates in the following reaction. Circle the most stable one.



2 4. Draw the HOMO and LUMO of the pentadienyl anion.



2 5. Show how you would accomplish the following synthesis. Give all isolated intermediate products and reagents (over the arrow). More than one step is required.



1 6. Draw the best resonance structure of the following conjugated enone.

