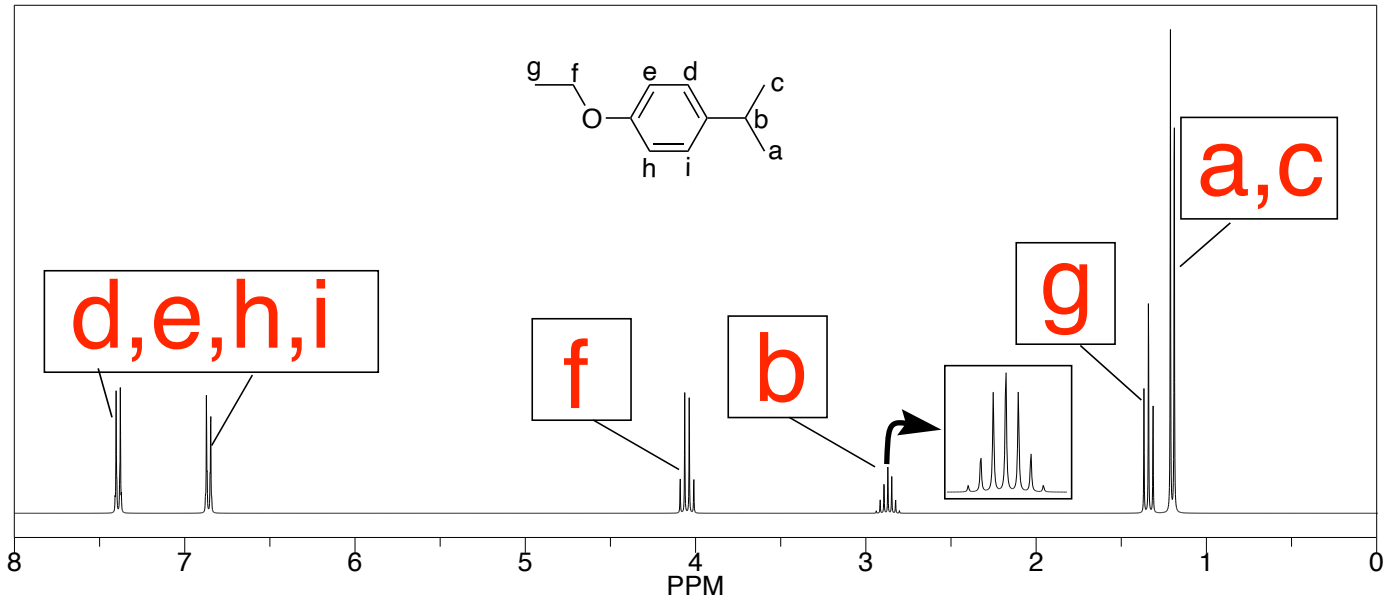
Myers

Organic 1: Quiz 5

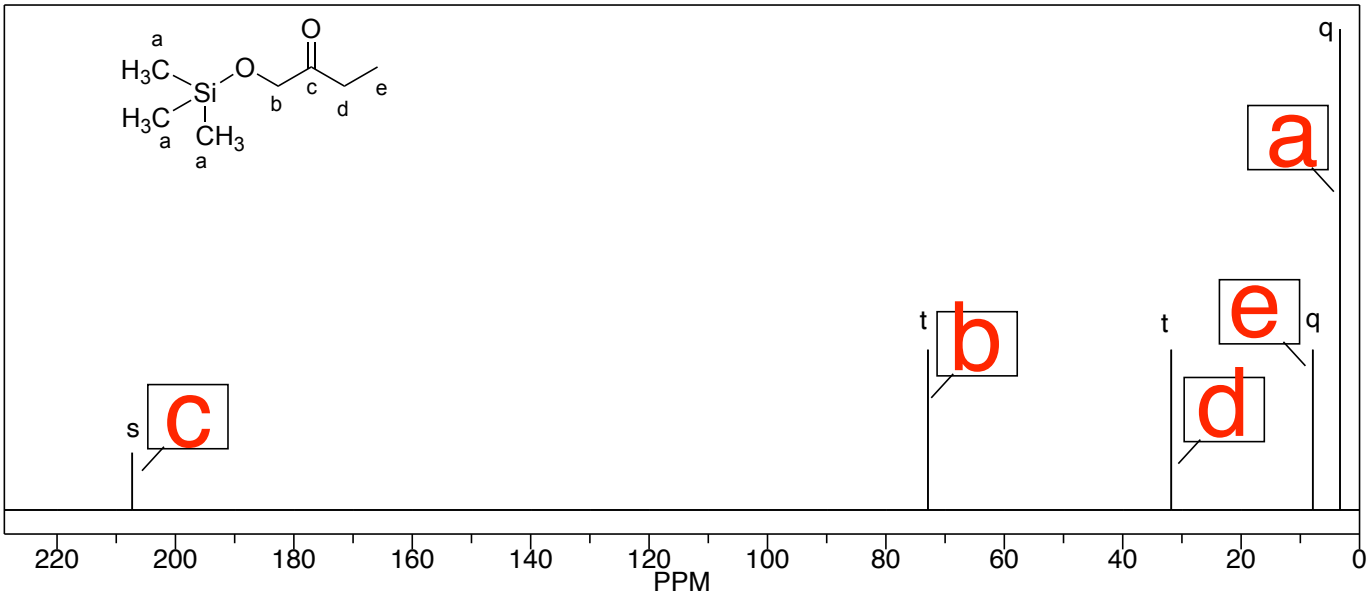
November 18, 2026

Name: Key

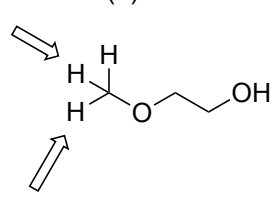
1. (10 points) Label the ^{1}H NMR Peaks for the spectrum below.



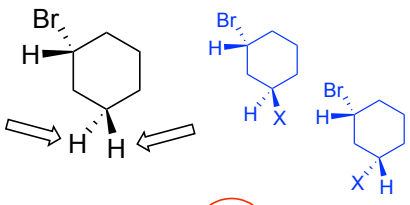
2. (10 points) Label the ^{13}C NMR Peaks for the spectrum below.



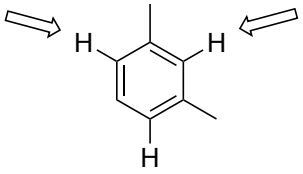
3. (6 points) Indicate whether the labeled hydrogens are homotopic (h), enantiotopic (e), diastereotopic (d), or unrelated (u)



h e d u



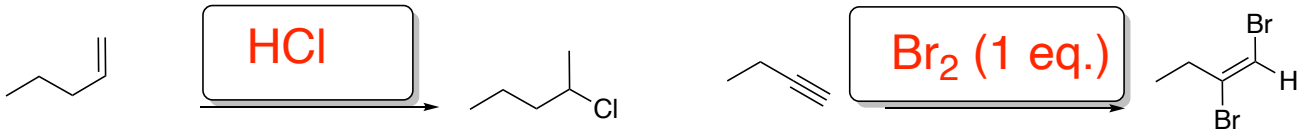
h e d u



h e d u

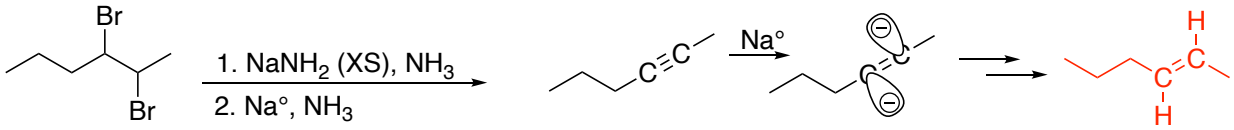
26

4. (4 points) Give a reagent that can achieve each of the following reactions. Solvents are not needed.

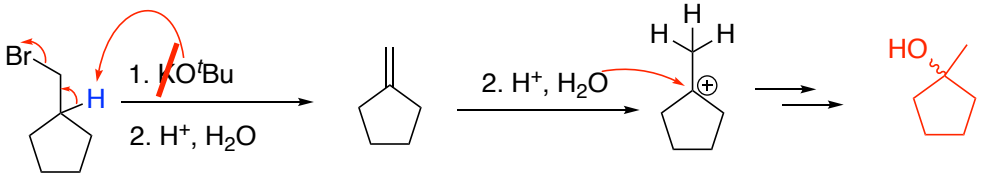


5. (12 points) Draw the major organic product formed from the following reactions.

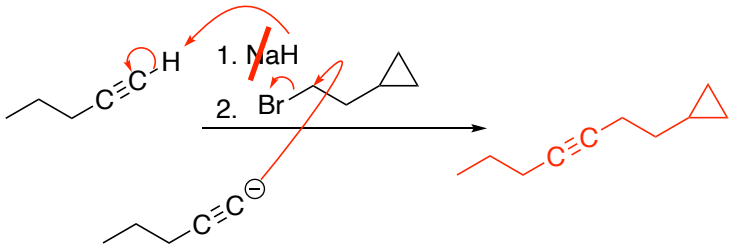
A.



B.



C.



6. (10 points) Provide a detailed curly arrow mechanism for the following reaction.

