

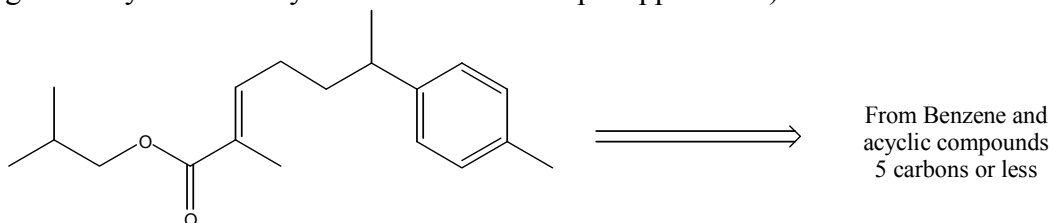
Organic Chemistry: CHEM 231B

Spring 2002 - Whittier College

Problem Set #4

September 8, 2003

1. Explain the overall reactivity of acetone. Include ways that one can change the molecule in order to affect the apparent reactivity.
2. Do Chapter 18, problem 55. Include mechanisms for each step. Explain your work.
3. Do Chapter 19, problem 38. Include mechanisms for each step. Explain your work.
4. Provide a synthesis for the following molecule (It will be beneficial if you plan your synthesis using a retrosynthetic analysis and think of multiple approaches):



5. Predict products for the following reactions:

