

Pre-Lab 4 Quiz: Lab 5- Preparation of Benzilic acid from Benzil

Name: _____ Date: _____

1. Write the steps involved in the mechanism? (10 pts).
2. What is the rate determining step? (10 pts)
3. Identify the NMR chemical shift values that are appropriate for benzilic acid protons in the structure (10 pts)
4. How many moles are in 2.3 g of benzil? (10pts)

Ans: _____

5. What is the theoretical yield of benzilic acid starting with 2.3 g of benzil? (10 pts)

Ans: _____