Condensation Reactions, Problem Set #8
Due in lecture on 4/16/2002
No late homeworks accepted
Only the additional problems need to be turned in.

❖ Read Chapter 23

Exercises:


❖ Additional Problems:
1. Show how you would use a Robinson Anellation to prepare the following.

![](image1)

2. What steps would you use to synthesize the following?

![](image2)

3. Show the steps required to accomplish the following transformation.

![](image3)

4. What is “A”? Write a stepwise mechanism for its formation.

![](image4)

5. What is “A”? Write a mechanism for the following reactions.

![](image5)

6. What is “A”? Write a mechanism for its formation and the formation of the quinoline.
7. Show the Aldol self-condensation products for each of the following molecules?

8. How would you prepare the following compounds from a mixed Aldol?

9. Write a stepwise mechanism that accounts for the following transformation.

10. What is “A”? Write a mechanism for each of the reactions.