

Week #10 – Reading and Problems

Chemistry 3231
November 7, 2001

Reading

Chapter 17: 17.4a-b,d, 17.5a, 17.7-8

Problems

Chapter 17: (finish any leftover Ch. 17 problems from Week #9's list), plus 13-14, 17, 23, 25a,d,e, 42*, 47*, 48, 52*, 53*, 54, 63*, 65

* Good problems to do

Announcements

You will find that a few of last week's textbook problems are repeated this week (to account for overlap of material).

Overall, this week's material is best studied by doing synthesis problems. Use the structure of the desired product to guide your synthetic strategy: e.g., if you wish to generate a 6-membered ring containing an α,β -unsaturated ketone, think Robinson annulation followed by dehydration. Also, it may be helpful to number the carbons involved in the reactions as a bookkeeping method – that way, you will not “lose” any carbons between your starting material and product.