



CHEM 251 Organic Chemistry I

Second Week
September 14 – 18, 2009

Assignments

- ☐ You should have completed reading Chapters 1 and 2; if you have not done so, please read these chapters!
- ☐ Chapter 3 – Reading should be completed before class on Tuesday (9/15/07)
- ☐ Problem set #3 due Tuesday (9/15/09)
- ☐ Problem set #4 due Thursday (9/17/09)

Reminders

- ☐ Bring goggles, notebook, laboratory manual and a pen, and wear appropriate attire for lab this week.
 - ☐ This week, the CHEM 251L laboratory will be the **Distillation** experiment (see p. 46 in the manual). **Please read the experiment before going to lab.**
 - ☐ The **Distillation** experiment will use IR spectroscopy; reading the section on IR in the lab manual would be helpful.
 - ☐ The Molecular Orbitals Spartan Exercise (see p. 44 in the manual) will be due third week. Please look at the Exercise, so that you can ask questions either in class or in lab.
 - ☐ Review session?
-

“The combination of a carbonyl and a hydroxyl group is a carboxyl function and has acid characteristics.

“Amines are derivatives of ammonia in which one or more hydrogens are replaced by an alkyl [group], and they are called primary, secondary, or tertiary amines according to the number of such substitutions.

“The odor of ... ethylamine is so similar to that of ammonia that when Wurtz first [synthesized it], he did not recognize it as a new substance until ... the alkaline gas by chance came near a flame and took fire.” – Fieser & Fieser Organic Chemistry, (1956)