

## Extra Credit: Functional Group Worksheets

The unit on organic chemistry provides you with the opportunity to earn some extra credit. There are many functional groups we will study. Completing a functional group worksheet on many of these groups will give you a chance to learn more about the functional groups. They also give you the ability to earn some extra credit.

The rules:

1. You may complete as many or as few of the extra credit worksheets as you'd like. This really is extra credit.
2. These are the 5 functional groups worksheets that may be used for extra credit.
  - Alkanes
  - Aliphatic Alcohols AND Phenols (you must cover information about both in each section)
  - Aldehydes AND Ketones (you must cover information about both in each section)
  - Carboxylic Acids OR Esters (choose one)
  - Amines OR Amides (choose one)
3. Each worksheet must be filled out ***thoroughly and completely***. Partially finished worksheets will not be graded. This includes writing at least a couple of thoughtful sentences in each of the boxes. (You only have to have one sentence about safety considerations.) For the box asking for the structures, you must draw at least two examples of compounds containing the functional group.

The information needed to complete these worksheets is available in the textbook but you'll have to read carefully to find it. The lectures will also provide important information about these groups. You can do additional research if you'd like but that's not required.

4. All worksheets are due by the end of the unit. This means they must be turned in on or before Thursday, 3/25/10. Please do turn them in as you get them finished—that will assist me in grading them. They will be returned before the Unit 3 exam.
5. You must print out your own blank functional group worksheets for the extra credit or copy the one distributed in class. One functional group worksheet will be distributed in class but that's all.
6. Each functional group worksheet is worth a maximum of 5 points. ***No points will be awarded for a worksheet that is incomplete or turned in late so be sure you understand and follow the instructions in #2, #3, #4 and #5 above.***