**CHEMISTRY 121(01) Winter 2011-12 (11:00-12:15 a.m., CTH 328)**
**In-class Group Activity Forms**

[**Click here to learn more about Group roles**](http://www.chem.latech.edu/~upali/chem102/pogil-groups.htm)

**1. Chapter 12. Saturated Hydrocarbons
        a) Introduction alkanes:** [**Group Activity 1**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK1.pdf) **(GHW#1).**

          **b) Alkane ands cycloalkanes :** [**Group Activity 2**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK1a.pdf) **(GHW#2).
2. Chapter 13. Unsaturated Hydrocarbons**

**a) Introduction alkenes and alkynes and aromatic hydrocarbons:** [**Group Activity 3**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK3.pdf) **(GHW#3).**

**3. Chapter 14. Alcohols, Phenols, and Ethers**

**a) Introduction Alcohols, Phenols, and Ethers:** [**Group Activity 4**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK4-2012.pdf) **(GHW#4).**

**4. Chapter 15. Aldehydes and Ketones**

**a) Introduction to Aldehydes and Ketones:** [**Group Activity 5**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK5-2012.pdf) **(GHW#5).**

**5. Chapter 16. Carboxylic Acids, Esters, and Other Acid Derivatives**

**a) Introduction to Carboxylic Acids, Esters, and Other Acid Derivatives:** [**Group Activity 6**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK6-2012.pdf) **(GHW#6).**

**6. Chapter 17. Amines and Amides**

**a) Introduction to Amines and Amides:** [**Group Activity 7**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK7.pdf) **(GHW#7).**

**7. Chapter 18. Carbohydrates**

        **a) Introduction to Carbohydrates:** [**Group Activity 8**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK8.pdf) **(GHW#8).**

**8. Chapter 19. Lipids**

         **a) Introduction to Lipids:** [**Group Activity 9**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK9.pdf) **(GHW#9).**

**9. Chapter 20. Proteins**

       **a) Introduction to Proteins:** [**Group Activity 10**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK10.pdf) **(GHW#10).**

**10.Chapter 21. Enzymes and Vitamins:**

 **a) Introduction to Enzymes and Vitamins:** [**Group Activity 11**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK11.pdf) **(GHW#11).**

**11. Chapter 22. Nucleic Acids**

       **a) Introduction to Nucleic Acid:** [**Group Activity 12**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK11.pdf) **(GHW#12).**

**12. Chapter 23. Biochemical Energy Production**

       **a) Introduction to Biochemical Energy Production:** [**Group Activity 13**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK13.pdf) **(GHW#13).**

**13. Chapter 24. Carbohydrate Metabolism**

       **a) Introduction to Carbohydrate Metabolism:** [**Group Activity 14**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK14.pdf) **(GHW#14).**

**14. Chapter 25. Lipid Metabolism**

       **a) Introduction to Lipid Metabolism:** [**Group Activity 15**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK15.pdf) **(GHW#15).**

**15. Chapter 26. Protein Metabolism**

       **a) Introduction to Protein Metabolism:** [**Group Activity 16**](http://www.chem.latech.edu/~upali/chem121/HW/HOMEWORK16.pdf) **(GHW#16).**