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**Chemistry 152**  
**Worksheet 14**

Name: \_\_\_\_\_

- A. (2.0 pts.) Hydrolysis of a simple triglyceride yields glycerol and 3 moles of hexanoic acid. Sketch the original triglyceride.
- \*B. (2.0 pts.) Sketch the tripeptide ala•ala•gly.
- \*\*\*C. (2.0 pts.) A peptide was found to contain ala<sub>2</sub>, pro<sub>2</sub>, phe, try, gly, and glu. If the partial hydrolysis of this peptide produced the fragments phe•pro•try, ala•gly•pro, try•ala, pro•glu, and ala•phe, determine the sequence of amino acids in this peptide.
- D. (2.0 pts.) Give the structure of the peptide phe•ala•gly.
- \*\*E. (2.0 pts.) Galactose is an aldohexose and fructose is a ketohexose. Give the straight chained structure for an aldohexose and a ketohexose.