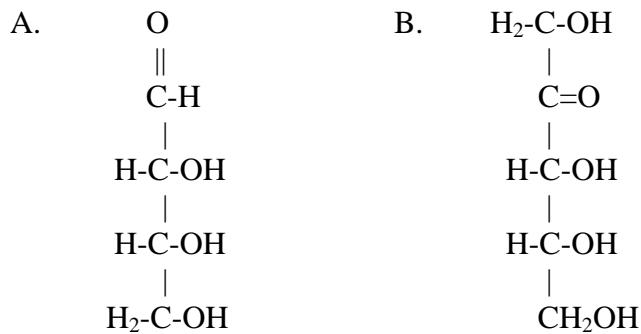


*VI-1 _____ C _____ NC
**VII-1 _____ C _____ NC
***VII-2 _____ C _____ NC

Chemistry 130
Worksheet 7

Name: _____

A. Refer to the following to answer questions 1-5.

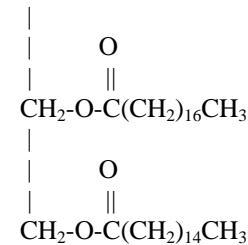
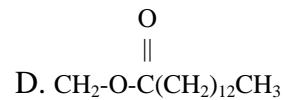
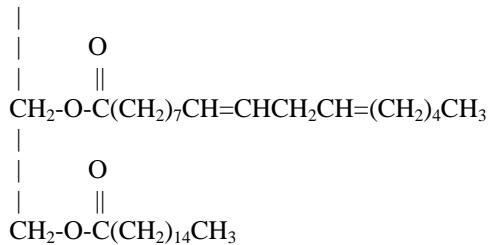
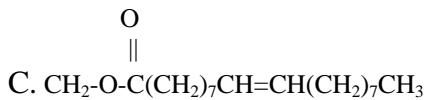


- _____ *1. Structure “A” is an example of an:
A. Ketotetrose B. Aldotetrose C. Aldopentose D. Ketopentose
- _____ 2. How many chiral carbons does structure “a” have?
A. 1 B. 2 C. 3 D. 4
- _____ 3. How many optical isomers are possible for structure “B”?
A. 2 B. 4 C. 8 D. 16
- _____ 4. Which of the structures is a L-form?
- _____ 5. Structure “B” is an example of an:
A. Ketotetrose B. Aldotetrose C. Aldopentose D. Ketopentose

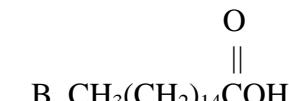
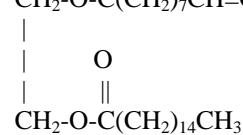
B. Multiple choices:

- _____ 1. Which of these is needed for photosynthesis to take place?
A. Water B. Sunlight C. Chlorophyll D. All the above
- _____ 2. Which monosaccharide is an Aldohexose?
A. Fructose B. Sucrose C. Galactose D. Ribose
- _____ 3. The disaccharide commonly called milk sugar is _____.
A. Lactose B. Galactose C. Maltose D. Sucrose

_____ 13. Which of these is the most abundant in vegetable oil?



_____ 14. What is one of the products of the hydrolysis of the following compound?



D. All of these forms

_____ 15. A polyunsaturated triacylglycerol could be converted into a saturated triacylglycerol by:

- A. Hydration B. Hydrogenation C. Hydrolysis D. Hyalation

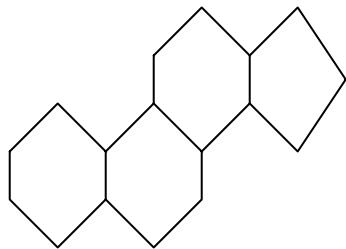
_____ 16. Animal fats react with KOH to form what mixture?

- A. Glycerol and soap B. Glycerol and fatty acids
C. Glycerol salt and fatty acids D. Long-chain alcohol and fatty acids

_____ 17. Cephalin is:

- A. Phosphatidyl glyceride B. Phosphatidyl choline
C. Cholesteryl oleate D. Phosphatidylethanolamine

_____ 18. The following structural unit is present in:



- A. Steroid alcohols
- B. Testosterone
- C. Estradiol
- D. All the above

_____ 19. Cholesterol is needed by the body to make:

- A. Cell membranes
- B. Sex hormones
- C. Bile salts
- D. All the above

_____ 20. The fatty acid needed by the body to make prostaglandins is:

- A. Arachidonic acid
- B. Linolenic acid
- C. Palmitoleic acid
- D. Stearic acid