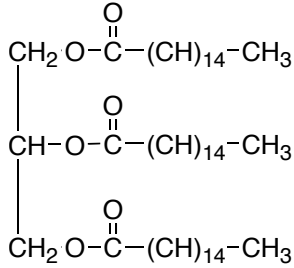


# Chem 352, Fundamental of Biochemistry

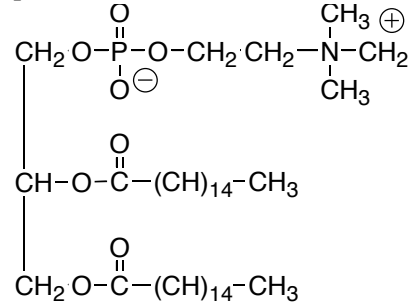
## Chapter 11 – Supplemental Questions

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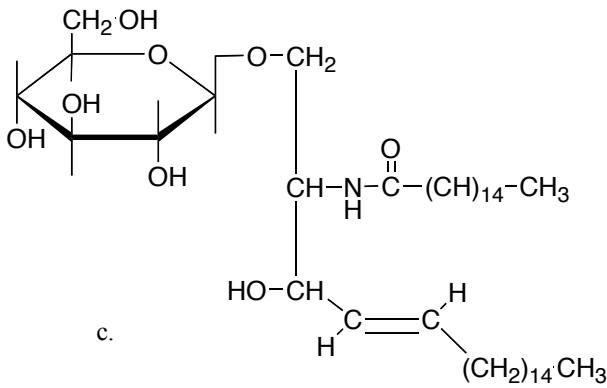
1. Based on their structures, classify each of the following lipids and describe their function:



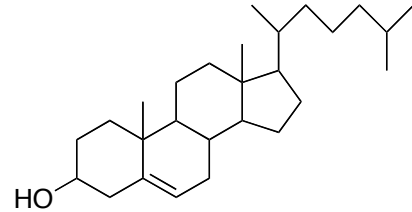
a.



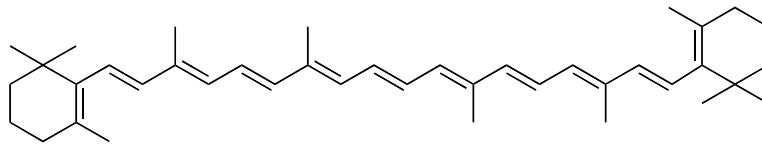
b.



c.



d.



e.

a.

b.

c.

d.

e.

2. The nutritional labelling on foods indicates among other things the quantity of *saturated* and *unsaturated* fats. Describe how these differ, both chemically and physically from one another

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3. Draw the structure for a triacylglycerol formed from two stearic acids (18:0) and one palmitoleic acid (16:1 *cis* $\Delta^9$ ).
4. Describe three different ways in which material can move one side of biological membrane to the other.
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