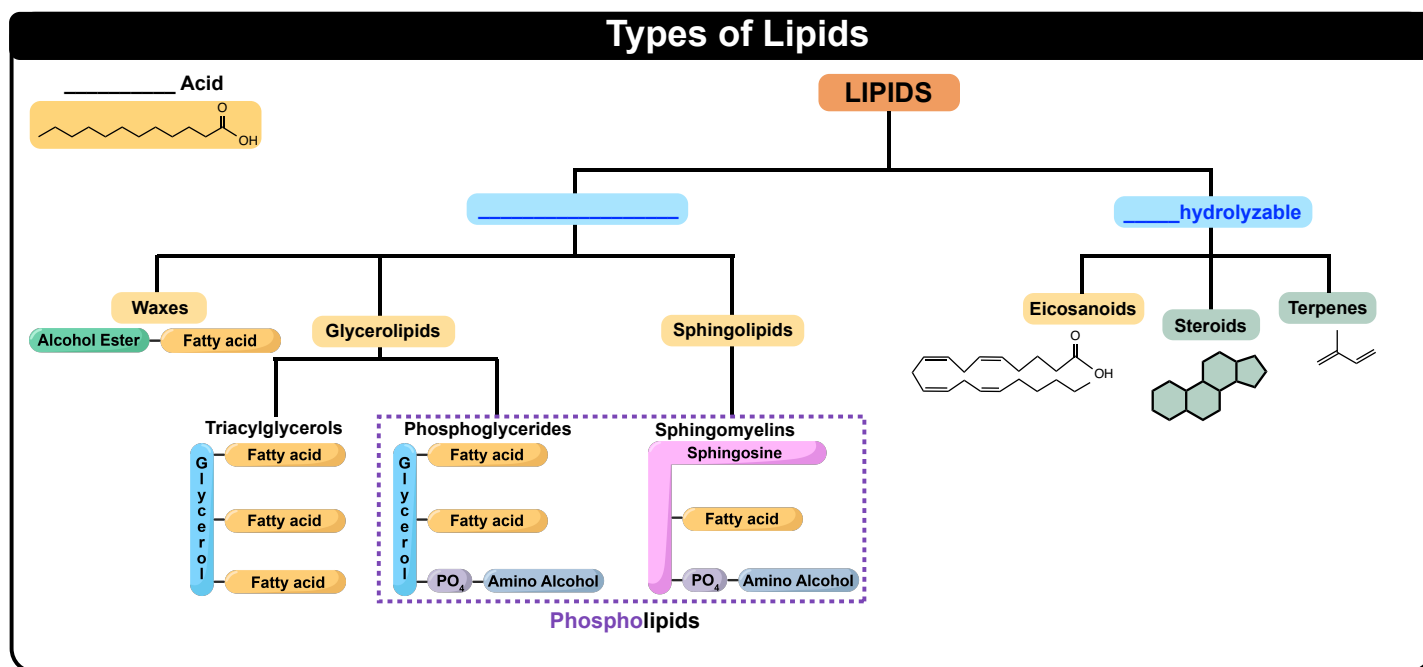


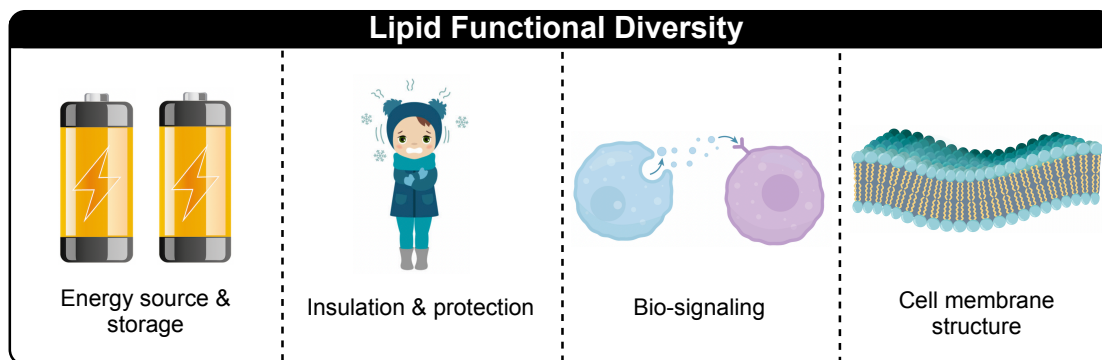
CONCEPT: INTRO TO LIPIDS

- **Lipids:** _____ based biomolecules, hydro _____ (insoluble in water) due to being nonpolar.
 - Very _____ structurally and functionally.
- Lipids can be categorized based on ability to be _____ to produce smaller molecules.
- Many lipids contain **Fatty Acids:** long, unbranched hydrocarbon chain with _____ acid group at one end.

Terminology Tip:
Lipo derived from Greek word meaning fat.



- Some primary lipid functions include:



EXAMPLE: Which of the following statements about lipids are not true?

- Steroids are a class of lipids which can not be hydrolyzed by water.
- All lipids are insoluble in nonpolar solvents but soluble in polar solvents.
- Certain lipids play an important role in components of biological membranes.
- Lipids contain large number of nonpolar C-H bonds, making them overall nonpolar.