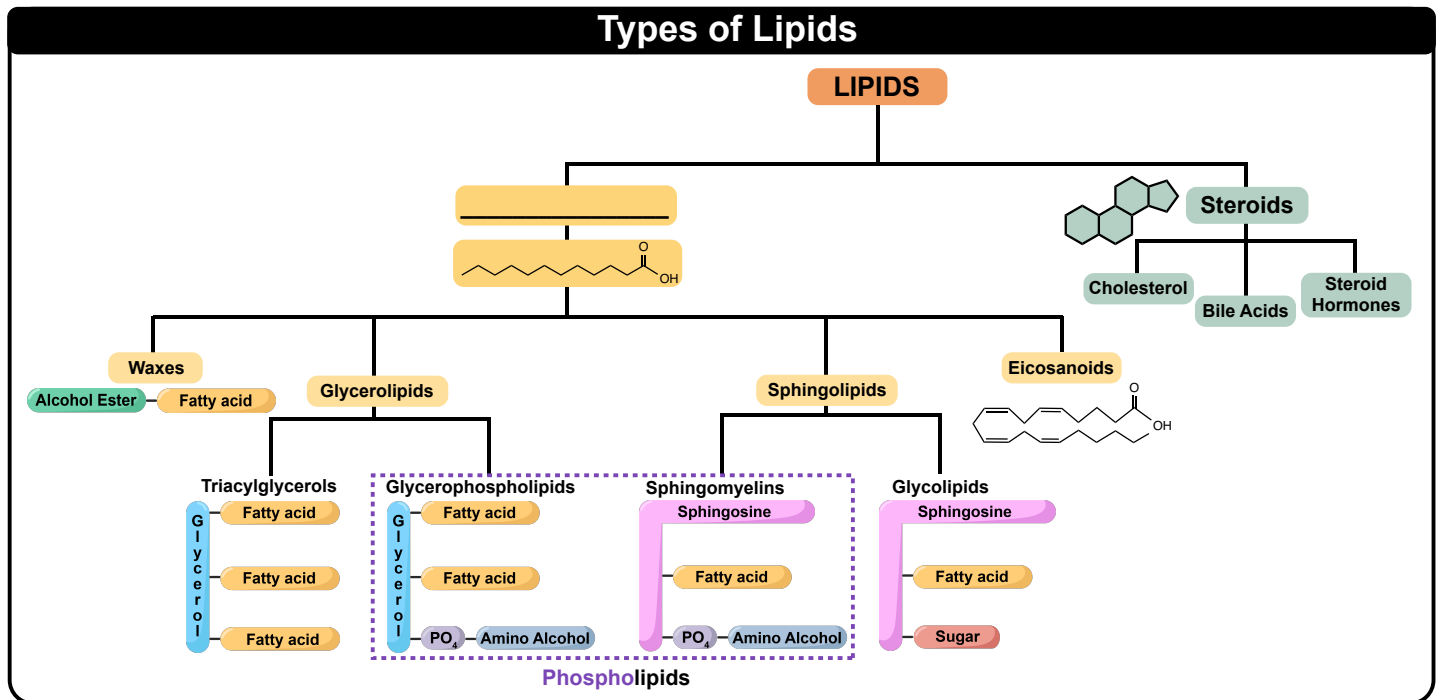


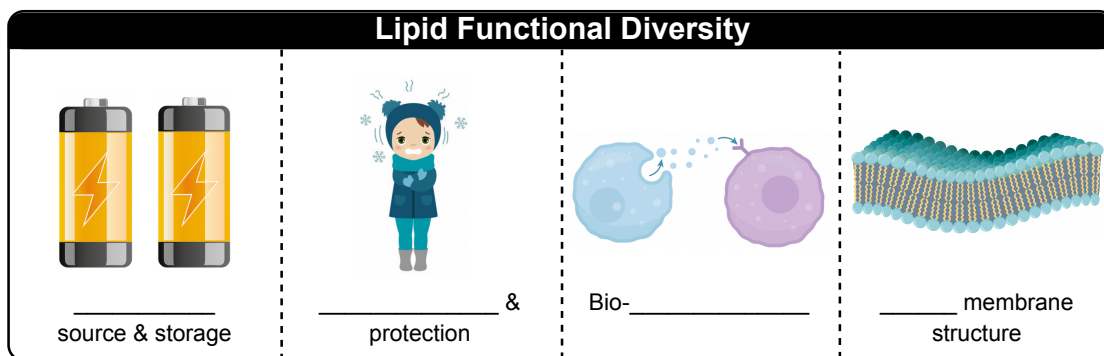
## CONCEPT: INTRO TO LIPIDS

- **Lipids:** \_\_\_\_\_ based biomolecules, hydro \_\_\_\_\_ (insoluble in water) due to being nonpolar.
  - Very \_\_\_\_\_ structurally and functionally.
- **Fatty Acid:** long, unbranched hydrocarbon chain with \_\_\_\_\_ acid group at one end.
  - Lipids can be categorized based on the presence or absence of \_\_\_\_\_ acids.

**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 do not contain any fatty acids.
- 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.