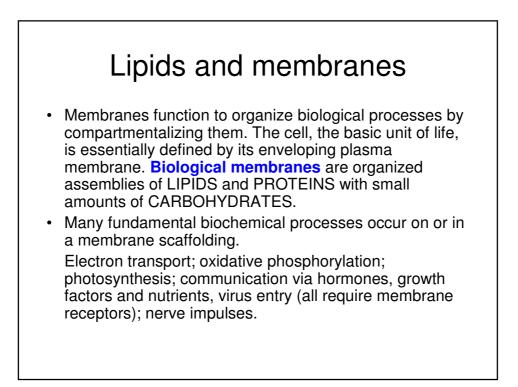
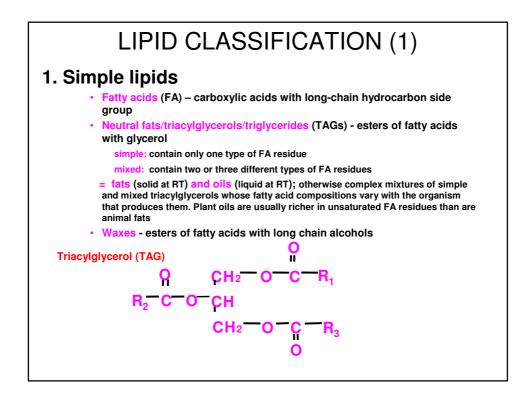
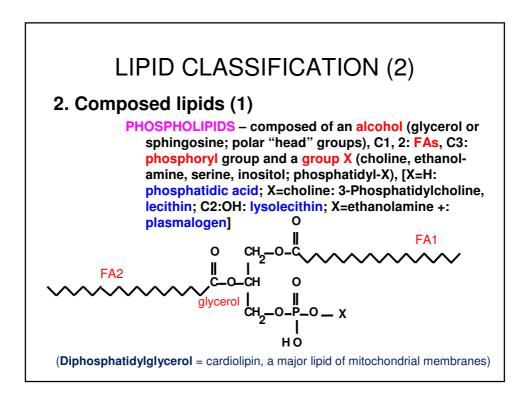


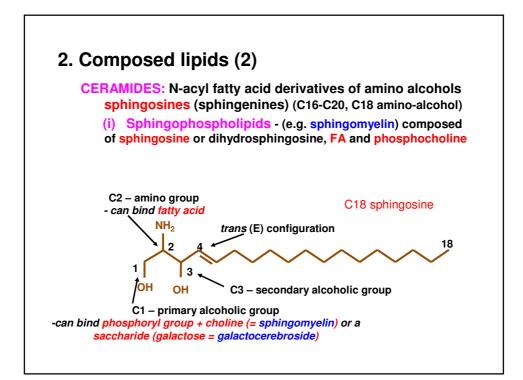
## **Lipids - definition**

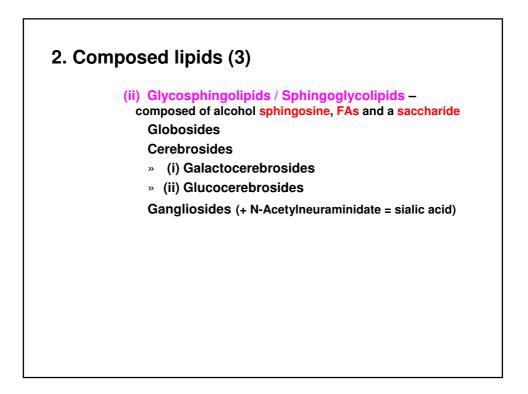
- Heterogenous family of substances that are hydrophobic, i.e. insoluble, or only sparingly soluble in water, soluble in organic solvents such as chloroform and methanol
- Mostly derivatives of fatty acids with a long chain: their esters, amides with (phospho)alcoholes, amines, etc.
- Fats and oils (TAGs), certain vitamines (A, D), steroid hormones, eicosanoids incl. prostaglandins, and most nonprotein membrane components (phospholipids, glycolipids, cholesterol)











## LIPID CLASSIFICATION (3)

## 3. Others

- Sterols, steroids (e.g. cholesterol, bile acids, steroid hormons)
- Lipophilic vitamines A, D, E, K
- Eicosanoids (C20)- local hormone-like mediators

