

**TAG:** triacylglycerol

**PL:** phospholipids

**GPL:** glycerophospholipid

**G:** glycerol

**FA:** fatty acid

**P:** phosphate

**A:** alcohol

**SL:** sphingolipid

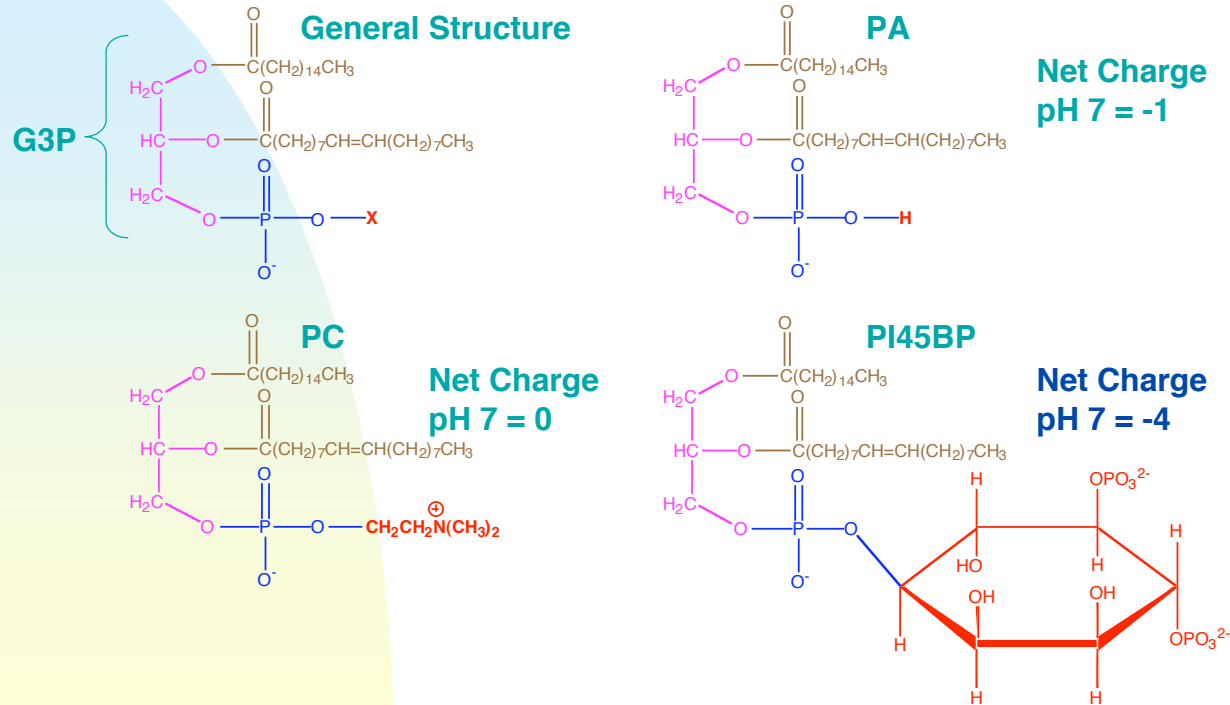
**C:** choline

**GL:** glycolipid

**S:** sphingosine

**MS/OS:** monosaccharide/oligosaccharide

# Glycerophospholipids

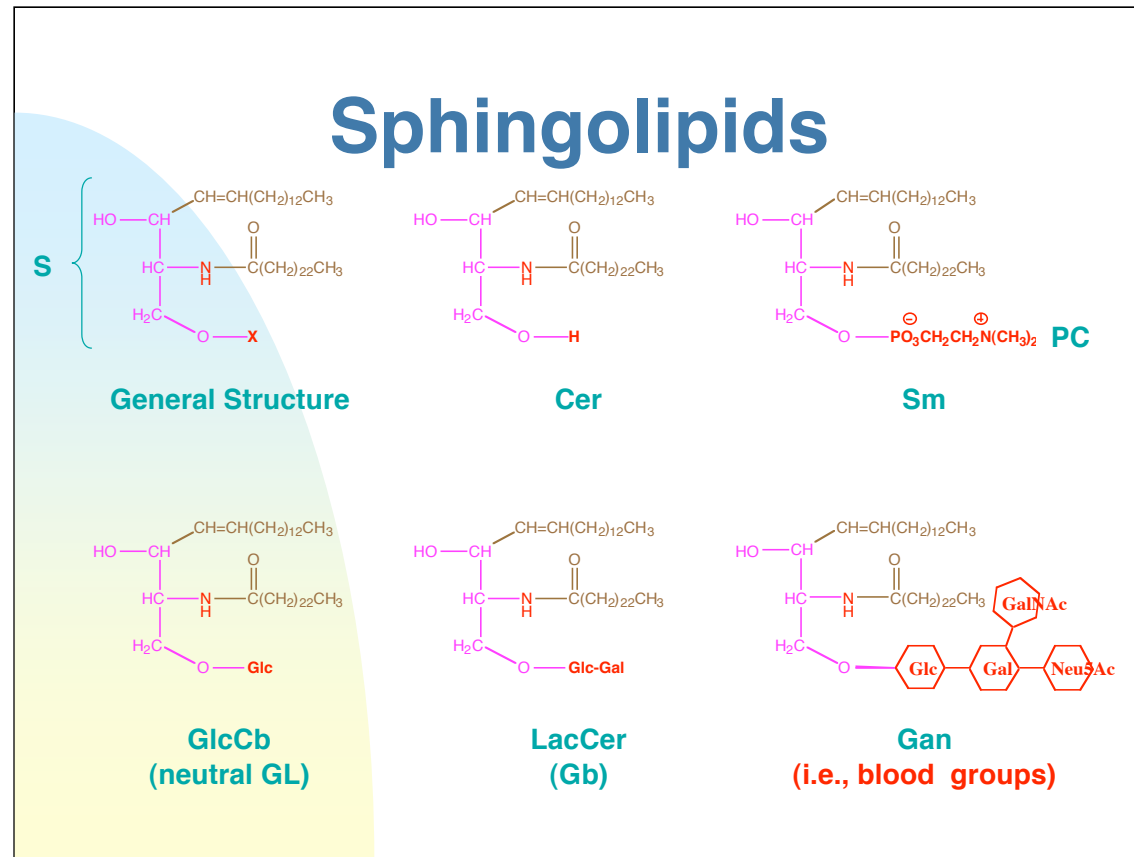


**G3P:** glycerol-3-phosphate

**PC:** phosphatidylcholine

**PA:** phosphatidic acid

**PI45BP:** phosphatidylinositol-4,5-bisphosphate



**S:** sphingosine

**Cer:** ceramide

**Sm:** sphingomyelin

**PC:** phosphocholine

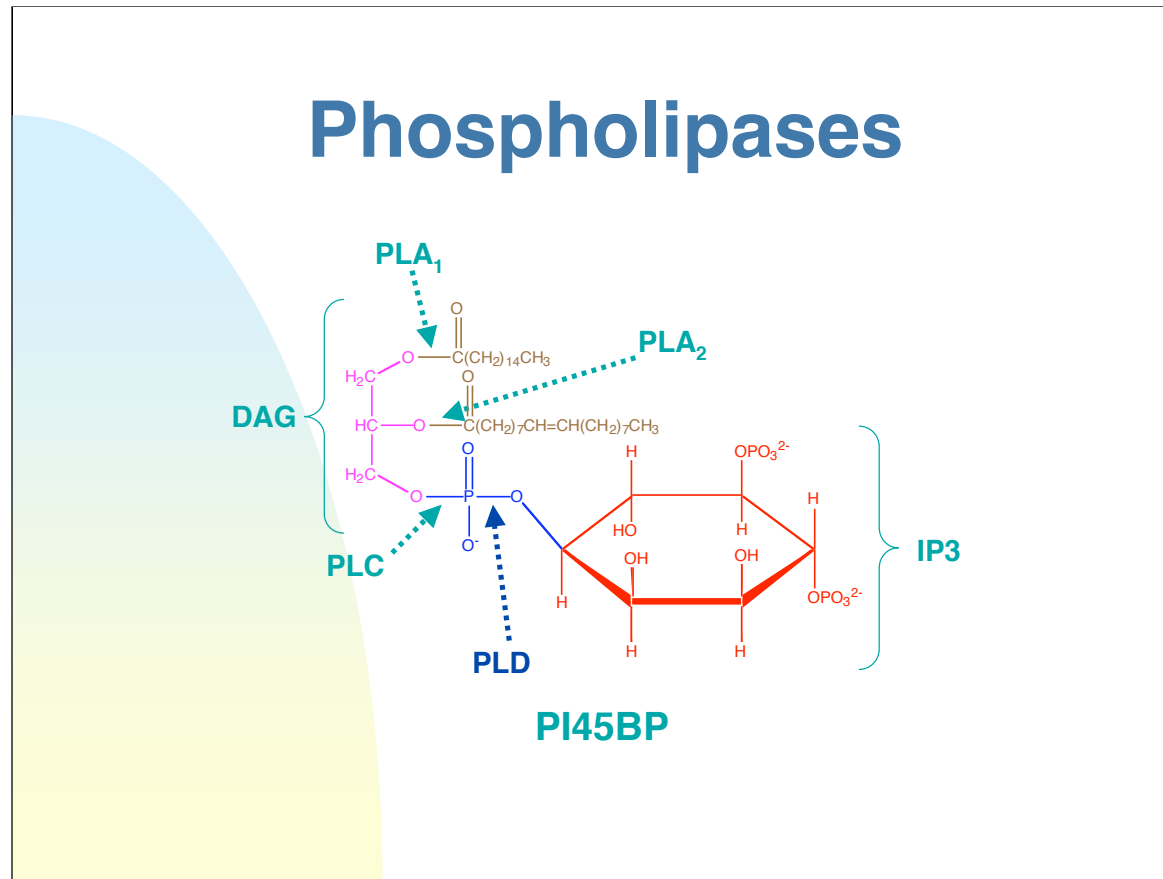
**GlcCb:** glucosylcerebroside (single sugars)

**GL:** glycolipid

**LacCer:** lactosylceramide

**Gb:** globoside (two or more neutral sugars plus GalNAc)

**Gan:** ganglioside (contains NANA)



**PI45BP:** phosphatidylinositol-4,5-bisphosphate

**PLA<sub>2</sub>:** phospholipase A<sub>2</sub>    **PLC:** phospholipase C

**DAG:** diacylglycerol

**PLD:** phospholipase D

**PLA<sub>1</sub>:** phospholipase A<sub>1</sub>

**IP<sub>3</sub>:** inositol-1,4,5-trisphosphate

# Review Questions

- **What are the general lipid classes?**
- **What are the general lipid structures?**
- **How do the PLs act (site, products)?**