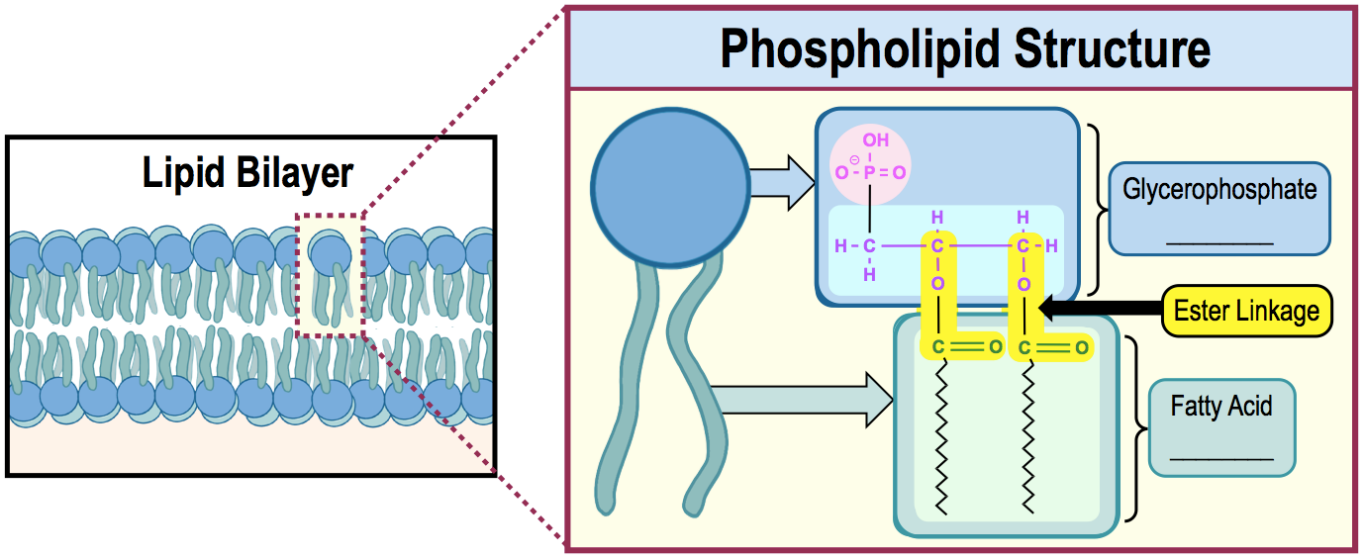
CONCEPT: BACTERIAL & EUKARYOTIC CELL MEMBRANES

●BOTH *bacterial & eukaryotic* phospholipids have a glycero_____ head & _____ _____ tails.

□ *Recall:* Phospholipids are *amphipathic* molecules with a *hydrophilic* _____ & *hydrophobic* _____.

□ Bacterial & eukaryotic phospholipids use an _____ linkage to connect head group to fatty acid tails.

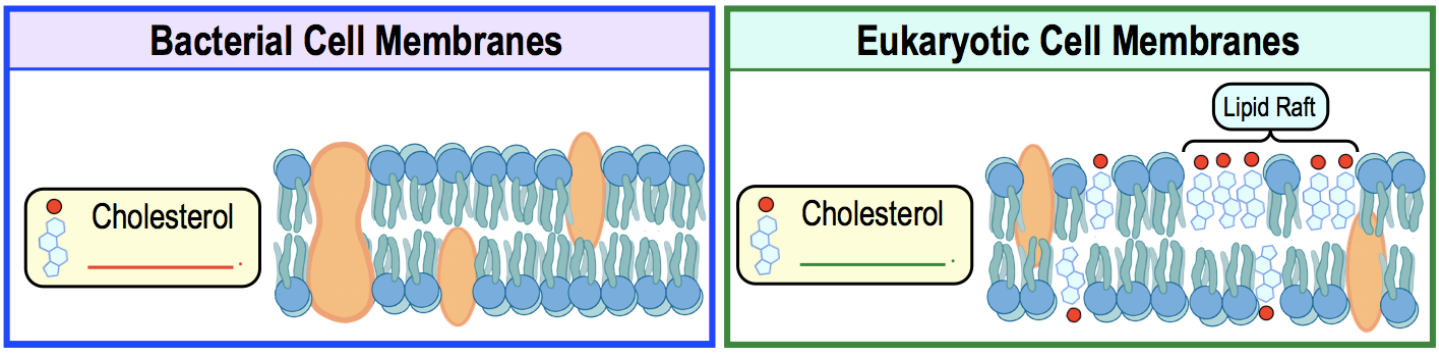


Cholesterol in Animal Membranes

●Only _____ membranes have *cholesterol* making them _____ rigid than bacterial membranes.

□ **Lipid** _____**:** dense regions of *cholesterol* moving laterally *together* through the fluid membrane.

EXAMPLE: Bacterial vs. Eukaryotic cell membrane.



●*Archaeal* cell membranes have a unique type of lipid composition.

PRACTICE: _____ is a chemical found in eukaryotic cell membranes that regulates fluidity in extreme temperatures.

a) Phospholipid. b) Glycerophosphate. c) Glucose. d) Cholesterol.