Biochem 1: Please write your name on both sides of this page.

Draw a triacylglyceride. Indicate lipophilic tails as zigzag lines.

Draw phosphatidylcholine. Indicate lipophilic tails as zigzag lines.

Show how the free energy of transport of Ca2+ into a cell changes if the concentration of Ca2+ outside the cell increases from 10-3 to 10-2. Put the numbers into the appropriate equation, without doing the calculation. The free energy increases / decreases (circle one).

Sketch a vesicle.