Quiz I, Biochem 1 Name:

Please write your name on the other side of this page.

1) Sketch the Central Dogma of Molecular Biology.

2) List all the major macromolecular players in the translation system.

3) Which enzymes establish and enforce the genetic code?

4) A bacterial mRNA contains the sequence 5’…**AUGUUUGGG****(NNN)40CCAUGA** ‘3 (**start**, **stop**). How many amino acids does it encode (assume **(NNN)40** does not contain an in-frame stop codon)?

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Draw phosphatidylserine. Indicate the lipophilic tails as zigzag lines.

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Draw sphingomyelin. Indicate the lipophilic tails as zigzag lines.