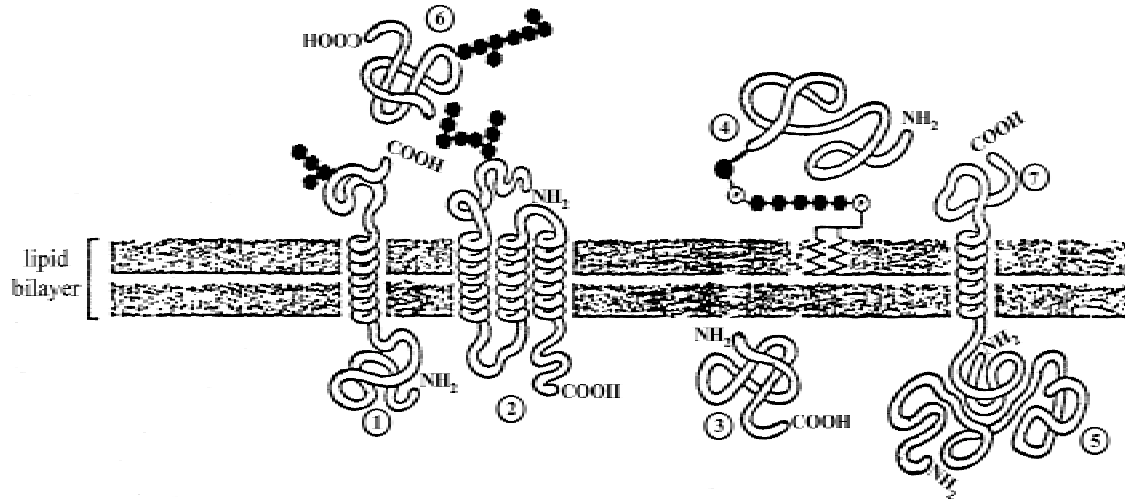


Membrane Structure

2. Carefully consider the following cross-sectional diagram of protein organization in a biological membrane, and answer **all** of the following questions. Note that space constraints prevent all the –amino and –carboxy terminals from being labeled.



A. (9 points) Which of the **six (6)** numbered proteins are peripheral membrane proteins? are integral membrane proteins?

B. (6 points) Briefly describe how you would test or verify your designations in A.

C. (12 points) Hypothesize *likely* functions for proteins 1, 2 and 6 and briefly explain the bases for your hypotheses.

D. (5 points) Briefly describe how you might test your hypothesis concerning any *one* of these proteins.