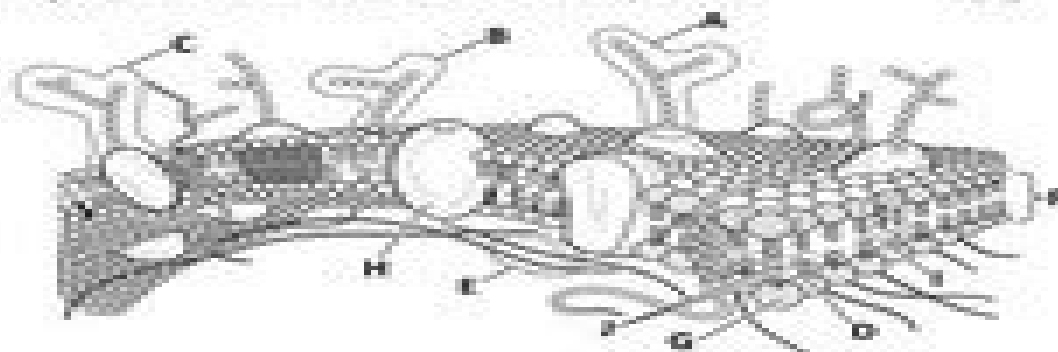


CELL MEMBRANE TEST

- 1) Label this diagram using the terms you find in the term bank used in the next question. (10)

A _____
 B _____
 C _____
 D _____
 E _____
 F _____
 G _____
 H _____
 I _____
 J _____



- 2) For each statement, choose a term that best matches it. Each term may be used once, more than once or not at all. (14)

- ___ a) Another term for extrinsic protein.
 ___ b) This is a phospholipid with a sugar chain attached.
 ___ c) A chain of sugars.
 ___ d) This part of a phospholipid faces towards the inside of the bilayer.
 ___ e) Two layers of phospholipids create this.
 ___ f) Another term for intrinsic protein.
 ___ g) This part of a phospholipid faces the outside of the bilayer.
 ___ h) This part of a phospholipid is hydrophilic.
 ___ i) Another type of lipid found within the phospholipids.
 ___ j) This type of protein spans the entire bilayer.
 ___ k) This is a protein with a sugar chain attached.
 ___ l) This is composed of a phosphate head and two fatty acid tails.
 ___ m) This part of a phospholipid is hydrophobic.
 ___ n) This type of protein is found within the cell membrane.

TERMS

- A) cholesterol
 B) fatty acid tail
 C) glycolipid
 D) glycoprotein
 E) integral protein
 F) oligosaccharide
 G) peripheral protein
 H) phosphate head
 I) phospholipid
 J) phospholipid bilayer
 K) transmembrane protein

- 3) Describe the main difference between hydrophilic and hydrophobic. (2)

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Russell C. Hollingsworth



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