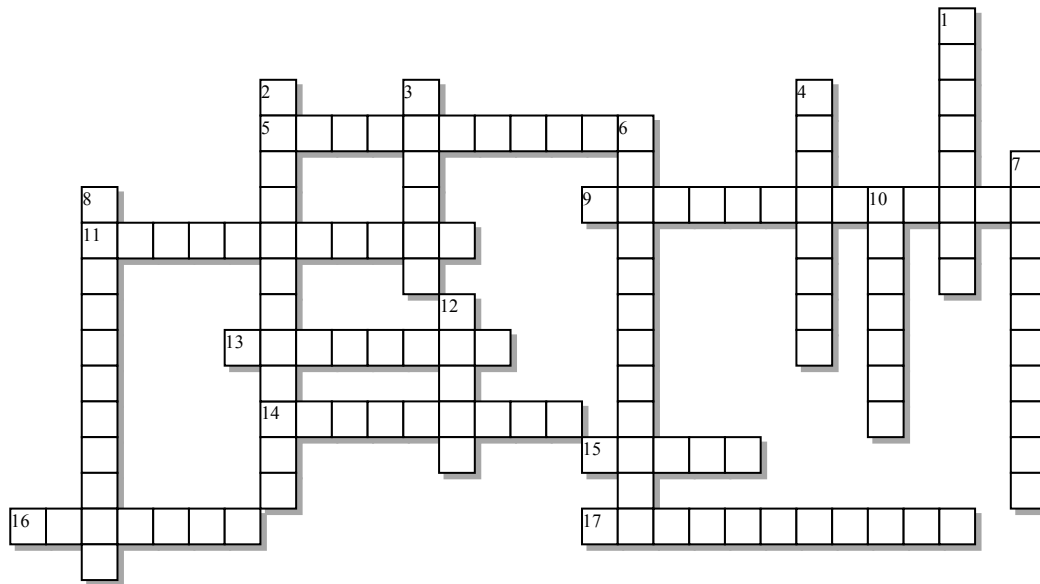


Membranes!



Across:

- 5 - The head, which dissolves in water, can be described as being
- 9 - A protein that spans the entire membrane is a(n) _____ protein
- 11 - The tails, which are non-polar, can also be described as being
- 13 - This three carbon molecule is what the phospholipid's head and tails attach to
- 14 - Allowing a substance to pass through it
- 15 - Two _____ acids make up the "tail" of a phospholipid
- 16 - A membrane component that can form channels or attached enzymes
- 17 - Membranes are _____ permeable: only some substances can pass through

Down:

- 1 - The barrier separating the cell from its external environment
- 2 - The key molecule making up the membrane
- 3 - The constant motion and varied nature of its components have led to the fluid _____ model of the membrane.
- 4 - A protein embedded in the membrane's hydrophobic middle is a(n) _____ protein
- 6 - This membrane component typically acts as a cellular marker or flag
- 7 - A membrane protein that hangs on the outside or inside of the membrane is a(n) _____
- 8 - This membrane component keeps membranes stable in both hot and cold situations.
- 10 - A formation that phospholipids assume when dissolved in water.
- 12 - The head of a phospholipid dissolves in water, making it

Possible Answers:

bilayer, carbohydrate, cholesterol, fatty, glycerol, hydrophilic, hydrophobic, integral, membrane, mosaic, peripheral, permeable, phospholipid, polar, protein, selectively, transmembrane

Membranes! (solution)

