

## CHAPTER 5.1—5.2: Plasma Membrane Structure

1. Describe the structure of a phospholipid molecule. Be sure to describe their behavior in relationship to water.

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2. What happens when a collection of phospholipids molecules are placed in water?

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3. Explain the significance of this behavior in relationship to the evolution of life.

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4. What is meant by the phrase “the plasma membrane is fluid”?

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5. Explain the fluid mosaic model.

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6. How is the fluidity of the cell membrane altered?

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7. Describe the components of the cell membrane. Explain the function of each.

a. \_\_\_\_\_

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Name: \_\_\_\_\_

Note Set 12

b. \_\_\_\_\_  
\_\_\_\_\_

c. \_\_\_\_\_  
\_\_\_\_\_

d. \_\_\_\_\_  
\_\_\_\_\_

8. Describe how the structure of membrane proteins allows some proteins to be permanently anchored within the cell membrane as a transmembrane protein whereas other proteins can move freely about the surface of the membrane.

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9. What are the two types of membrane carbohydrates and describe their functions.

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10. Describe the three types of cell junctions and describe the function of each.

a. \_\_\_\_\_  
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b. \_\_\_\_\_  
\_\_\_\_\_

c. \_\_\_\_\_  
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