

## Chapter 3.4 - Membrane Structure and Function

*How do substances move in and out of cells?*

### Why?

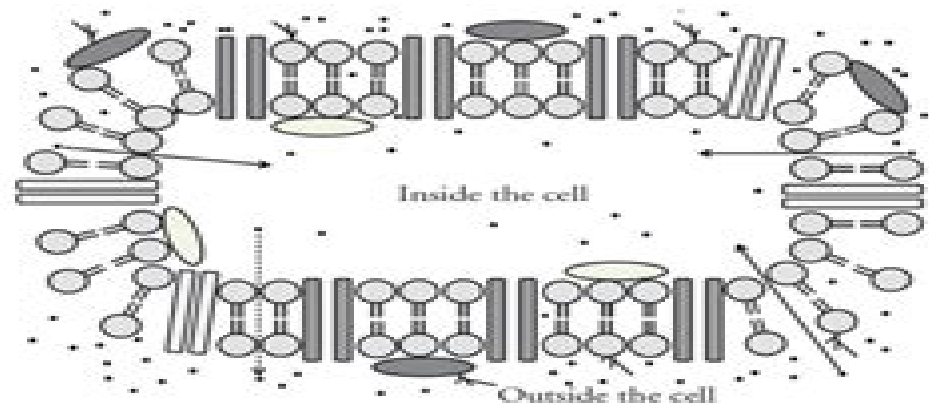
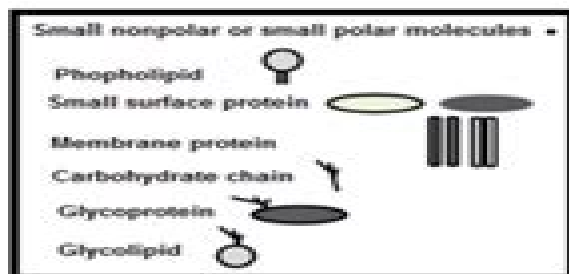
An advertisement for sports drinks, such as Gatorade, PowerAde, and Vitaminwater, etc. seem to be everywhere. All of these drinks are supposed to help your body recover and replenish lost electrolytes, fluids, and vitamins after exercise. But how do the essential molecules contained in these drinks get into your cells quickly to help you recover after exercise?

### Model 1 – Simple Diffusion



1. How many different types of molecules are shown in Model 1? **Two**
2. Count and record the number of triangles and circles found on each side of the membrane.  
**Triangles — 14 on left, none on right; Triangles — 14 on left, none on right**
3. Which shape is larger? **Triangle**
4. Describe the direction of the movement of the molecules in Model 1? **Triangle**
5. Which molecules are able to pass through the semi-permeable membrane? Justify your answer.  
**The dots, because they are small and can fit through the gaps, and because they are shown as equally distributed on both sides of the membrane**

### Model 2 – The Selectively Permeable Cell Membrane



# Membrane Structure And Function Pogil

**SA Dillow**



## **Membrane Structure And Function Pogil:**

## Decoding **Membrane Structure And Function Pogil**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Membrane Structure And Function Pogil**," a mesmerizing literary creation penned by a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring impact on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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