

## Chapter 3.4 - Membrane Structure and Function

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

### Why?

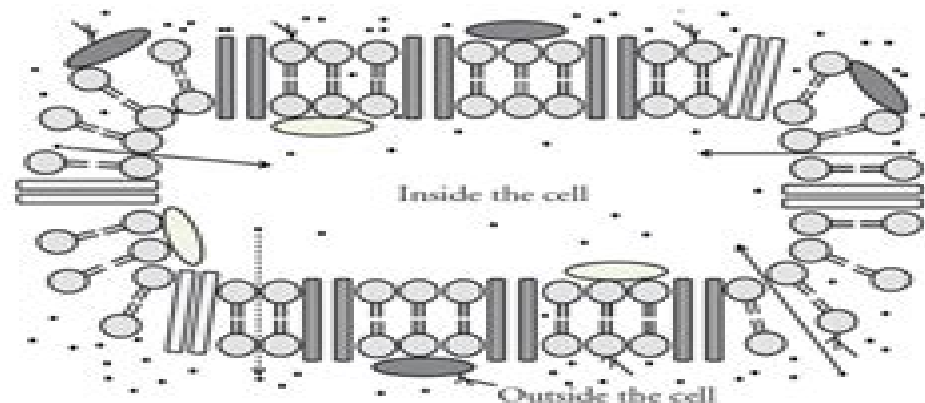
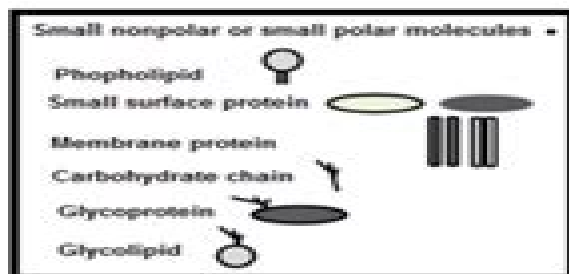
An advertisement for sports drinks, such as Gatorade, PowerAde, and Vitaminwater, etc. seem to be everywhere. All of these drinks are supposed to help your body recover and replenish lost electrolytes, fluids, and vitamins after exercise. But how do the essential molecules contained in these drinks get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

**Lei Shi**



## **Membrane Structure And Function Answer Key:**

## Whispering the Strategies of Language: An Mental Journey through **Membrane Structure And Function Answer Key**

In a digitally-driven world wherever monitors reign great and immediate connection drowns out the subtleties of language, the profound techniques and mental nuances hidden within words frequently move unheard. However, located within the pages of **Membrane Structure And Function Answer Key** a interesting literary value sporting with fresh emotions, lies an extraordinary journey waiting to be undertaken. Written by a skilled wordsmith, this marvelous opus encourages visitors on an introspective journey, gently unraveling the veiled truths and profound influence resonating within ab muscles cloth of every word. Within the emotional depths of this touching evaluation, we can embark upon a honest exploration of the book is core styles, dissect its captivating publishing fashion, and yield to the powerful resonance it evokes strong within the recesses of readers hearts.

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