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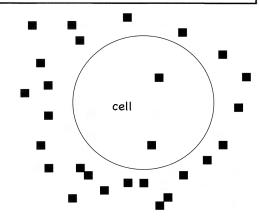
## Conceptual Biology

## **Chapter 4: How Cells Work**

Diffusion and Osmosis

1. The molecules represented by squares move across the cell membrane through diffusion in the diagram on the right.

Will there be a net movement of these molecules into the cell or out of the cell? Why?



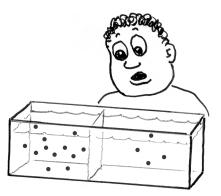
Remember that these molecules move across the cell membrane through diffusion.



2. The diffusion of water has a special name.

It is called \_\_\_\_\_

In the figure on the right, a membrane allows water to move freely between two compartments. The dark circles represent solute molecules, which are not able to move between the two compartments. Will water flow to the left or to the right? Why?



In diffusion, molecules move from where they are more crowded to where they are less crowded.





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## Conceptual Biology

## Chapter 4: How Cells Work Facilitated Diffusion and Active Trans

Fa	ıcili	itated Diffusion and Active Transport		
	W	hich of these describes	_, and which describes	?
	a.	Does not require energy from the cell?		
	b.	Requires energy from the cell?		
	c.	Moves molecules from a region of low c	oncentration to a region o	of high concentration
	d.	Moves molecules from a region of high o	concentration to a region of	of low concentration
2.	W	hich of the following shows	, and which shows	?
		Outside of cell High c	concentration	Outside of cell
		RAMAN SAMANA WANANA WANA WANANA WANANA WANANA WANANA WANA WANANA WANANA WANANA WANANA WANANA WANANA WANANA WANANA	o energy	STANTAR STANTARY
	a.	Cytoplasm Low (Inside of cell)	concentration	Cytoplasm (Inside of cell)
			Low ncentration	Outside of cell
		ANNAMA SANAMASA	Energyl MMMMM High	SAMANAN SAMAN SAMANA
		Cytoplasm (Inside of cell)	ncentration	Cytoplasm (Inside of cell)



