

Diffusion and Osmosis Worksheet

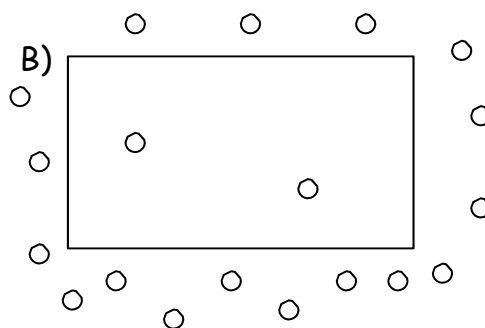
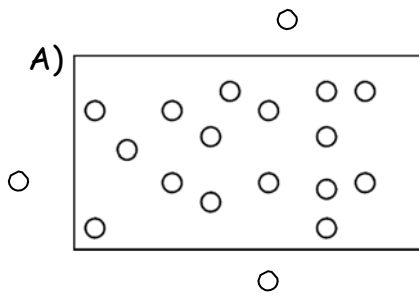
Name: _____

1. How are the molecules moving in the examples below? Write **OSMOSIS** or **DIFFUSION**.

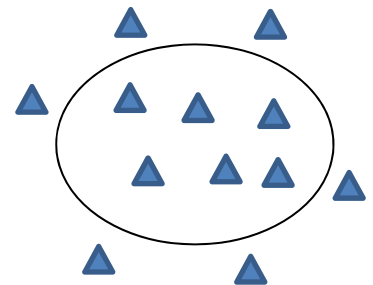
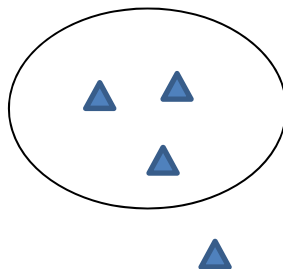
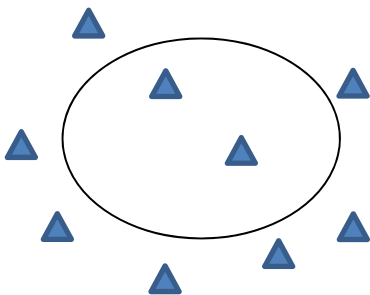
Diffusion OR Osmosis	Example
	The student sitting next to you just came from gym class and forgot to shower and you can smell them.
	You can smell the perfume of the girl sitting two rows ahead of you.
	To get rid of slugs people sprinkle salt on them, so they dry out.
	Yum! Something smells good. The neighbors are cooking on the grill!
	Gargling with salt water when you have a sore throat causes your swollen throat cells to shrink and feel better.
	Oxygen molecules move from the air sacs in the lungs across the cell membranes into the blood.
	You put raisins in a glass of water and they get fatter.

2. Use arrows to show the direction of **diffusion** in each case:


○ is a molecule that can pass through the cell membrane. □ is a cell membrane.

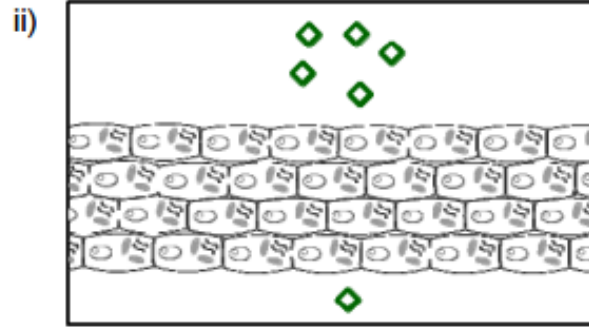
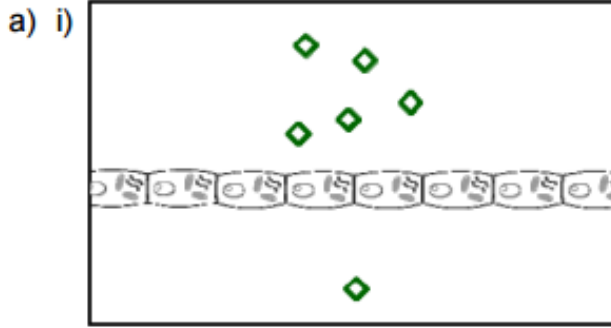


3. For each of the situations below use an arrow to show the movement of sugar (▲) into or out of the cell. (Sugar molecules can pass through this cell membrane.)

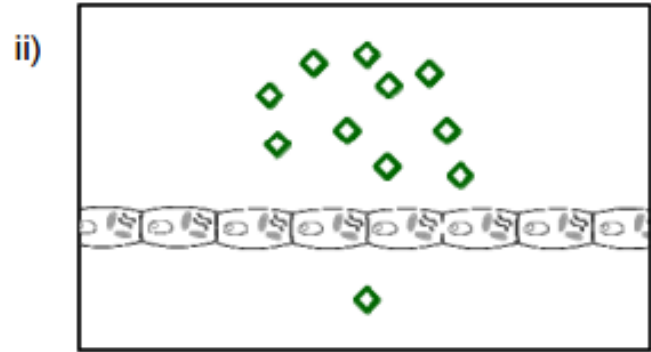
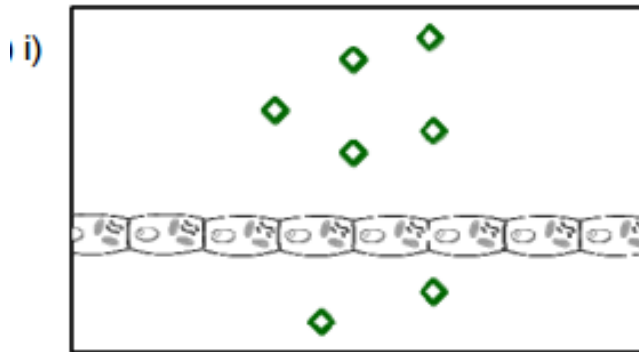


The diagrams below show substances at different concentrations, separated by a membrane. Out of each pair, say which one will have a faster diffusion rate, and explain why.

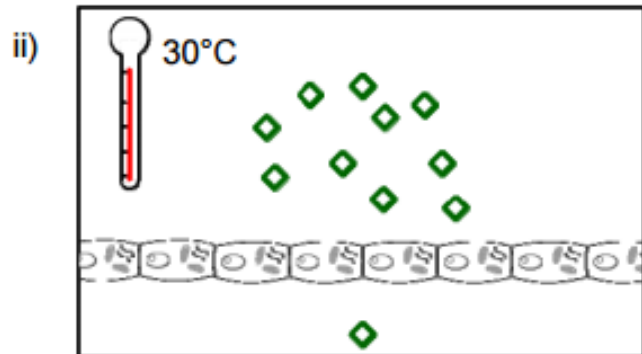
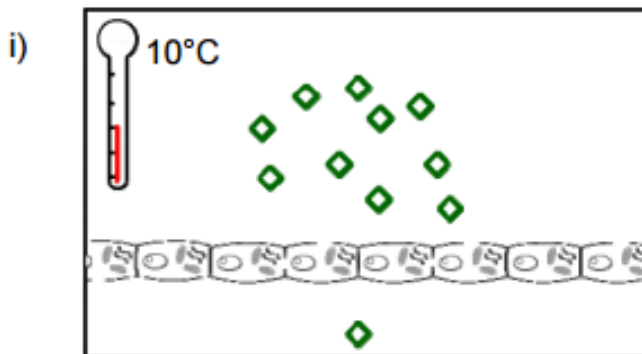
glucose = 



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