**Biology Daily Inquiry Questions**

***Passive Transport – Diffusion***

***ATTACH to ISN p.74***

1. What is the name given to membranes that only allow certain materials to pass through them?
	1. Selectively permeable C. Impermeable
	2. Diffusion D. Osmosis



1. In passive transport, molecules move from an area of \_\_\_\_\_\_\_\_\_\_\_ concentration to an area of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ concentration until they reach dynamic equilibrium.
	1. High ; :higher C. low ; high
	2. high ; low D. low ; lower
2. In active transport, molecules move from an area of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ concentration to an area of \_\_\_\_\_\_\_\_\_\_\_\_ concentration.
	1. High ; low C. High ; higher
	2. Low ; high D. Low ; lower
3. If someone sitting at the other end of a restaurant smokes a cigarette, you may still breathe in some of the smoke. The movement of smoke through the air of the restaurant is an example of what type of transport?
4. osmosis    C.   facilitated diffusion
5. diffusion     D. active transport
6. Chamber A contains 40% helium and Chamber B contains 20% helium. Chambers are connected by a tube the molecules are free to cross. Which of the following will occur?
	1. some helium will move from chamber A to chamber B
	2. some helium will move from chamber B to chamber A
	3. helium will remain concentrated in chamber A
	4. all of the helium will move into chamber B

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***Passive Transport – Osmosis***

***ATTACH to ISN p.76***

 1. The process of water [diffusing](http://www.scienceprofonline.com/chemistry/diffusion-osmosis-tonicity-effect-osmotic-pressure-on-cells.html) into or out of a cell is known as:

1. active transport      C. phagocytosis
2. facilitated diffusion      D. osmosis
3. Osmosis is a special case of diffusion through a selectively permeable membrane for which type of molecule?
	1. Water C. Starch
	2. Sugar D. Lipids
4. Placing wilted lettuce in cold water will make it crisp again. Which statement *best* describes what happens to restore the lettuce to its original condition?
5. Water left the lettuce cells by diffusion. C. Osmosis caused salts to enter the lettuce cells.
6. Water entered the cells of the lettuce by osmosis. D. Salts in the leaf caused water to leave the cells
7. Chamber A contains 20% water and Chamber B contains 40% water. Chambers are connected by a tube the molecules are free to cross. Which of the following will occur?
	1. water will move from chamber A to chamber B B. water will remain concentrated in chamber A
	2. water will move from chamber B to chamber A D. all of the water will move into chamber B