AP Biology 016 – Transport Across Cell Membranes Video Review Sheet

www.bozemanscience.com/016-transport-across-cell-membranes

| 1 | | roduction: Does the movement of molecules to fill a space require energy? |
|---|----|--|
| | b. | What are the two forms of transports? |
| | C. | What is Diffusion and describe an example in living systems. |
| | d. | What is specific to Osmosis? |
| | e. | What is a specific type of diffusion that requires proteins? |
| | f. | What substance is needed for Active Transport? Why? |
| | g. | What is the most "famous" example of active transport? |
| | h. | What is the name of two large-scale forms of active transport? |
| 2 | | ffusion: In his example, when the gray and black particles move, what determines which direction? |
| | b. | Is the ordered movement? |
| | C. | Where can diffusion be seen in living systems? |
| | d. | Define Osmosis: |
| | e. | Draw the U-Tube experiment before and after: |
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Review Sheet for AP Biology 016 – Transport Across Cell Membranes Contributed by Winnie Litten — YouTube - /mslittenbiology Twitter-@mslittenbiology

f. Why does the slug shrivel up?

| | g. | Draw a red blood cell in three different types of solutions (his diagram): |
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| | | |
| | h. | Define Hypertonic: |
| | i. | Define Hypotonic: |
| | j. | Define Isotonic: |
| | k. | Concerning facilitated diffusion: What doesn't it require? What does it require? |
| | I. | What is the difference between diffusion and facilitated diffusion? |
| | m. | What is a "concentration gradient"? |
| | n. | Describe how glucose must enter a cell, explain why. |
| | Ο. | What is "co-transport"? – describe an example |
| 3. | | tive Transport What is active transport? – how is it different from passive? |
| | b. | Describe how the sodium potassium pump works. |
| | | |
| | C. | What the is ATP: Na : K ratio? |
| | d. | What is endocytosis? Describe how it takes place. |
| | e. | What is exocytosis? |
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