

1. Draw and describe the structure of the plasma membrane (include phospholipids and proteins). Define Selective or Semi Permeable. Describe the function of proteins in the plasma membrane.

What is the difference between active and passive transport through a membrane? Why does active transport require energy, while passive transport does not? Creptor, consideration transport

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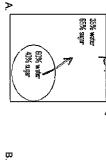
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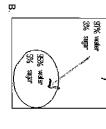
Pros It - I No Carrow Jones of passive transport and what is the difference between them?

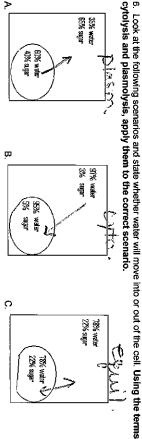
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What is osmosis? TOUR ITSO THERE エント CASAS DEED CASASE to moleculus like con/02

cytolysis and plasmolysis, apply them to the correct scenario.



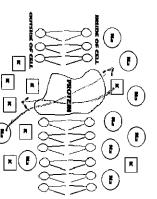




(8) (B) 8

The diagram to the left shows the concentrations of oxygen (O) and carbon dioxide (CO2) around a cell. Both of these molecules will move through the

membrane via passive transport, simple diffusion. Explain the direction of



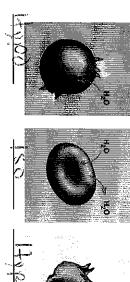
below Answer the following questions based on the diagram

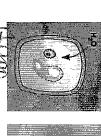
particles from inside the cell to outside? A. What type of transport moves the sodium (Na) のは、大名の、

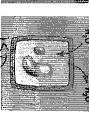
B. What type of transport moves the potassium (K) particles from inside the cell to outside?

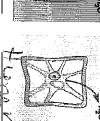
C. Which movement requires energy? D. Which substance must move through the protein?

8. For each diagram, state whether the cell is HYPOTONIC, HYPERTONIC, or ISOTONIC (Hint: Look at the direction of water movement - is water moving in, moving out, or moving IN and OUT)









movement (in or out) for both the oxygen and carbon dioxide Carbon Dioxide: (1) Oxygen: MINO 3 なる エシー

transport is occurring? 10. If sugar is actively pushed into a cell where there is already a high concentration of sugar, what type of cell a. diffusion b. active transport c. passive transport d. facilitated diffusion

explanations explains why active transport would be used instead of passive transport? Active transport is used to move-sugar molecules into liver cells for storage. Which of the following a. the concentration of sugar in the liver is less than in the blood

sugar molecules are not normally found in the liver

Che concentration of sugar in the liver is greater than in the blood of sugar is highly toxic to liver cells

Analyze the following diagram of the phospholipid and answer the questions below:

12. What part of the phospholipid (A or B) is hydrophobic?

13. Which part of the phospholipid (A or B) is hydrophilic?



The diagram represents a cell in water. Formulas of molecules

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What would happen if you place a plant cell in a hypertonic solution? the plant cell will take in water and bust the water will go out of the plant cell and it will shrink. the water will travel in and out of the plant cell. the condition of having a high solute concentration on one side of a membrane will rer	The concentration of O2 will increase outside the cell The concentration of NH3 will increase inside the cell The concentration of CO2 will increase outside the cell The concentration of C6H12O6 will increase inside the cell

A 32	<u>≯ 31</u>	o d\@};
32. s the movement of materials from a higher to a lower concentration. A. active transport (B. passive transport C. hydrolysis D. vehicular transport	31. Which structure permits the entry and exit of dissolved materials in an animal cell? A. lysosome B. chromosome C. cell wall D. eal membrane	the water will go out of the plant cell and it will shrink. the water will travel in and out of the plant cell. the condition of having a high solute concentration on one side of a membrane will remain constant.

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concentration as in the processes of endocytosis and exocytosis.	transport is the movement of materials from lower concentration to higher	A. proteins, lipids B. cholesterol, proteins C. lipids, proteins	The cell or plasma membrane is composed chiefly of two layers of	transport involves processes such as osmosis and direction. B. Active C. Mechanized D. Extracurricular
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