Name: Di Stetaro CELL TRANSPORT REVIEW

A. facilitated diffusion B. osmosis

Chapter 7, Section 4

Match the definition o	n the lef	t with the	term on	the right.
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1.	Release of w	astes or cell products from	inside to outside a cell	a. contractile vacuole
2.		water molecules through a	selectively permeable	b. diffusion
	membrane			
3.	Loss of wate	r from a plant cell resultin	g in a drop in turgor	
	pressure			equilibrium
4.		novement of particles but	no overall change in	d. exocytosis
	concentration			e. osmosis
5.			higher concentration to one	f. plasmolysis
_	of lower cond			
6.		ide paramecium that collect		**************************************
	and squeezes	it outside through the men	nbrane	
ita F	licized term to male ase 7. A True 8. The second 10. A True 10. A True 12. A	solution in which the condition concentration inside a celule internal pressure of a plane internal pressure of a process by the environment. The passive transport of materials are internal diffusion. In membrane that allows on selective permeability.	write this answer in the lentration of dissolved substallis hypertonic. Lype and cell is called turgor pressivement of particles across a which a cell membrane surraterial across a membrane by the some materials to pass the	ances is lower than the sure. membrane requires energy. rounds and takes in material from means of transport proteins is rough shows
Wr			completes the statement or ning cell homeostasis is the	answers the question.
	A. cytoplasm	B. cell wall	C. mitochondria	D. plasma membrane
	14 A plasma membr	ane is made up of a(n)		0
	A. cholesterol layer		C. lipid bilayer	D. m. etc. 1
	A. choicsteror layer	D. chzyme layer	C. iipid bilayer	D. protein layer
	15. Which of the foll	owing is not a form of pas	sive transport?	
	A. facilitated diffus	ion B. diffusion	C. endocytosis	D. osmosis
			C. Jendoej tosas	D. USINUSIS
	16. Diffusion continu	ies until		
(A) equilibrium is re		pressure is reached	C. one side has more
		8		
	17. If a cell is placed	in salt water, water leaves	the cell by	
(A.) osmosis	B. diffusion	C. active transport	D. phagocytosis
			_	A 0 V
	18. If it is not watere	d, a tulip plant wilts becau	se it	
	A. increases active	transport (B. loses tu	rgor pressure	C. increases turgor pressure
	A cell moves part	ticles from a region of less	er concentration to a region	of greater concentration by

C. passive transport

D. active transport

Use the pictures on the left to answer the questions on the right.

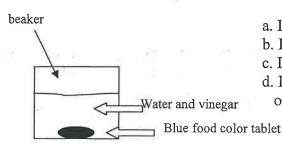
20. After digestion:

 \triangle = glucose molecule blood

- a. Which side has the higher concentration of glucose?
- b. Which way will the glucose go? INTO
- c. Does this require energy? NO
- d. Is this active or passive transport? _passive
- e. What specific type of transport is this? __facitatel

21. Easter egg coloring:

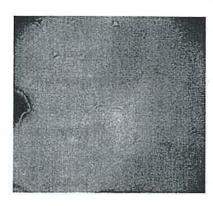
A blue food coloring tablet is placed in a cup of vinegar and water. The blue tablet will dissolve and spread evenly throughout the liquid.



- a. Is this active or passive transport? Dassive
 b. Is this diffusion or osmosis? diffusion
 c. Does this require energy? NO

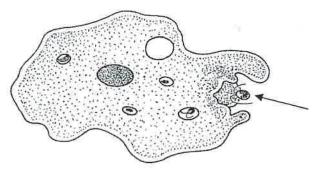
- d. Is the blue dye going from a lower to a higher concentration, or from a higher to a lower concentration?

22. Plant cell after being over-watered.



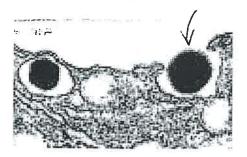
- a. Water rushes into the plant cell's vacuole. Is this diffusion or osmosis? OSmosis
- b. Is this passive or active transport?
- c. What is keeping these plant cells from bursting? Vacuale † d. Did the turgor pressure increase or decrease? increase
- e. Is the plant cell in a hypertonic, hypotonic, or isotonic environment? hypo
- f. What will happen if this plant continues to receive a lot of water - cytolysis or plasmolysis?

23. An amoeba engulfs a particle of food.



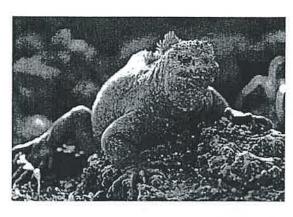
- a. Does this require energy? Yes
 b. Is this active or passive transport? AT
 c. Is this endocytosis or exocytosis?

24. An amoeba expels waste.



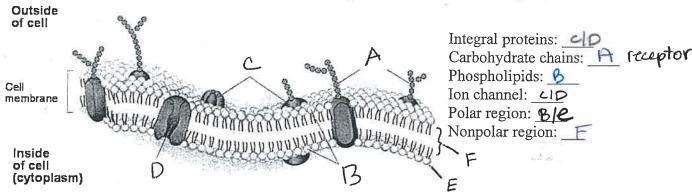
- a. Does this require energy? Yes
 b. Is this active or passive transport?
- c. Is this endocytosis or exocytosis?

25. A marine iguana living happily in the Galapagos Islands:

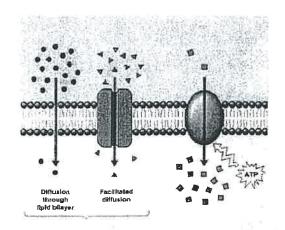


- a. Marine iguanas gather extra salt in glands located near their noses and sneeze it out in order to rid their bodies of it. How do our cells get rid of excess salt? Sweat, pee
- b. Is this an active or passive process in our cells?
- c. When you sneeze, would it be comparative to active or passive transport?

26. Label the parts of the cell membrane by placing the name of the part next to its letter.

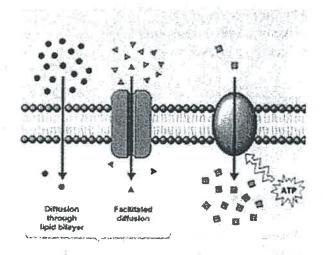


27. Transport proteins in the cell membrane:



- A. There are two different types of transport shown in the picture. Which is passive transport? Drift + FP
- B. Both simple diffusion and facilitated diffusion are shown in the picture, what is the difference between the two? Carrier protects
- C. Identify one substance that uses simple diffusion to cross the cell membrane: 02 07 007

28. Active transport...



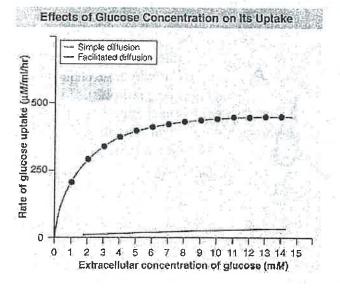
A. What type of energy do cells use? ATP

B. Explain what happens to the concentration gradient during active transport: Does solute go up or down the concentration gradient?

C. List two kinds of cells in your body that use active transport:

muscles

29. Rate of diffusion:



A. Why does the rate of diffusion taper off with higher amounts of glucose in the bloodstream?

MAY OUT COUNTY PROTECTS

B. What is the relationship between the amount of glucose in the bloodstream and the rate of diffusion?

conit until it reaches its may