\cap	smosis	R.	Diffue	ion F	WaivaS	Shac	1
U	51110515	α	טווועס	IOII F	Teview	Jule	;L

this water from the turgor pressure?

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Name:

Fill in the Blank √hiah √hypotonic √away hypertonic √diffusion √molecules ∠osmosis ✓vacuole -water solute -permeable √towards ✓semi-permeable concentration gradient 1. The cell membrane regulates and controls what kind of $mo(e(a)\ell^{6})$ move in & out of the cell. 2. When molecules spread from an area of high to low concentration to, it is called _______ 3. As molecules diffuse, they create a $\frac{CMUNTIMN}{qradium}$, which is a difference in concentrations across space. 4. Cell membranes are <u>feni-fenithis</u> means that they only allow certain things to pass through. 5. A membrane that would allow ANYTHING to pass through it would be called __permeable 6. Diffusion is the movement of molecules. Osmosis is the diffusion of 7. 05me5.5 is the process of water molecules moving across a cell membrane. 8. The direction that water molecules move is determined by the difference in the concentration of 4×4 dissolved in the solvent inside and outside the cell. concentration. 10. Water molecules are pulled _____ G villow__ from areas of lower solute concentration. 11. The word hypertonic means $\frac{\sqrt{3}}{\sqrt{9}}$ concentration of solutes. 12. The word hypotonic means 100 concentration of solutes. 13. A plant cell undergoes plasmolysis, or shrinking of the cell membrane, when it is placed in a solution with a HIGH concentration of solute. What type of solution causes plasmolysis? hyperforiz 14. An animal cell undergoes cytolysis, or stretching of the cell membrane, when it is placed in a solution with a very LOW concentration of solute. What type of solution causes cytolysis? hypotonic

15. Turgor pressure is the flow of water into a plant cell that causes the cell membrane to be pushed up against the cell wall and causes the sac in a plant cell to expand. What is this sac that holds

	on of the solutes inside the (B) greater than	e cell is to (C) equal to	the concentration	outside the cell.
17. Water molecule (A) into the cell f cell	s will move:aster than out of the cell	,	faster than they w	vill move into the
turgor pressure of turgor pressure of	e is the pressure that water can cause the cell membra can cause the cell membra vill maintain its shape. In a (B) decreasi	ne to press up aga ne to shrivel. If the n isotonic solution	ainst the cell wall a e turgor pressure i	ind a decrease in s kept constant, the
19. In animal cells, t (A) shrivel up	the cell membrane will: (B) be norma	al	(C) expand & p	ossibly burst
20. In the picture to (A) mostly out	the right, the movement of (B) mostly in	water across the i	· .	10% salt
Hypotonic Solution 21. The concentration (A) less than	ns on of the solutes inside the (B) greater the		to the concentration equal to	
22. Water molecules (A) into the cell f	s will move: aster than out of the cell (C) in and out of the cell a		e cell faster than th	ey will move into
turgor pressure of turgor pressure of	is the pressure that water can cause the cell membra can cause the cell membra vill maintain its shape. In a (B) decreasi	places on the inside ne to press up againe to shrivel. If the hypotonic solution	ainst the cell wall <mark>a</mark> e turgor pressure is	nd a decrease in s kept constant, the
24. In animal cells, t (A) shrivel up	he cell membrane will: (B) be norma	al ((C) expand & p	ossibly burst
25.In the picture to t (A) mostly out	he right, the movement of (B) mostly in	water across the m (C) in and out equ	,	10% salt
Hypertonic Solutio 26. The concentration (A) less than	ns on of the solutes inside the (B) greater th		to the concentratio	on outside the cell.
the cell	s will move: aster than out of the cell (C) in and out of the cell at		cell faster than the	ey will move into
	(O) in and out of the cell at	. are same rate		