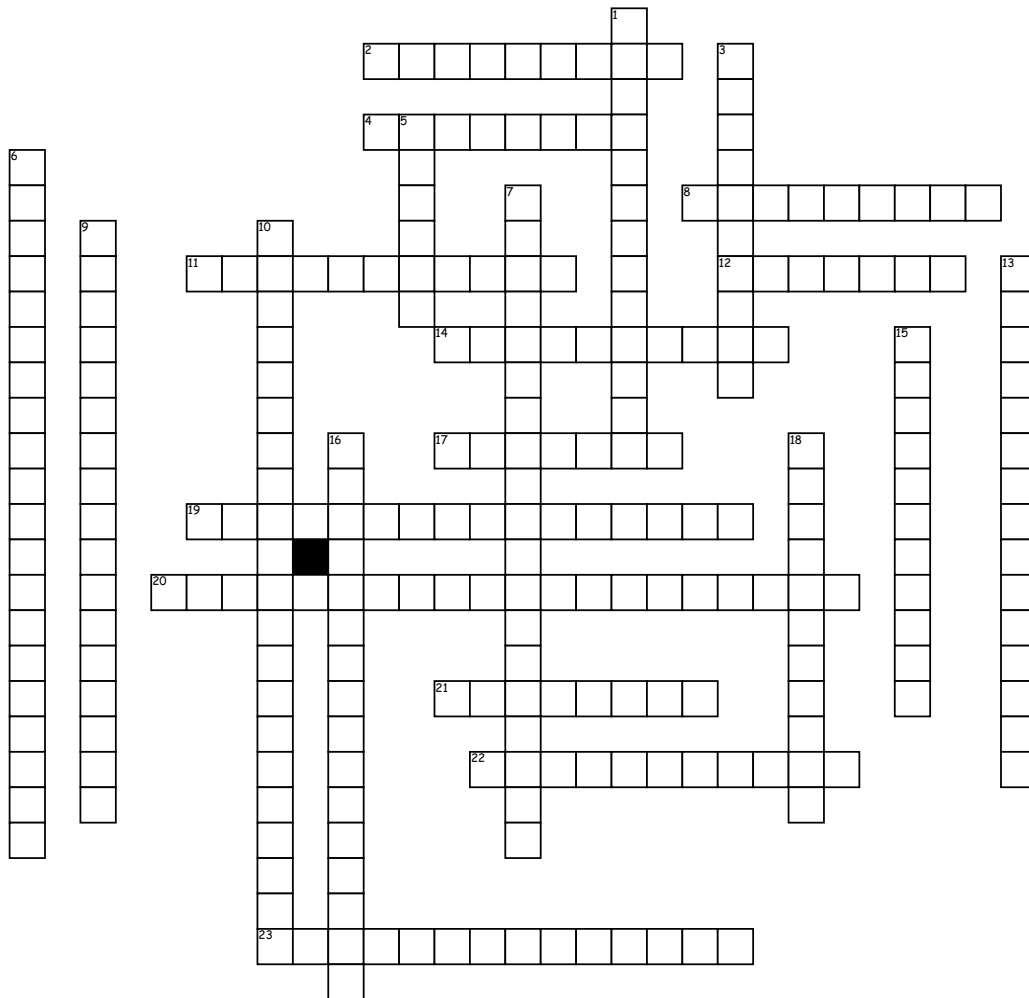


Aironica's Cell Transport Puzzle



Across

2. The movement of substances from an area of higher concentration to an area of lower concentration
4. Having equal osmotic pressure with the surrounding environment is called
8. Having a lower osmotic pressure than the surrounding environment is called
11. a waxy, fat-like substance that's found in all the cells in your body
12. The diffusion of water molecules only through a membrane
14. the environment outside of the cell has a higher concentration of solutes than the cell itself. That will attract water molecules from the cell leading to the shrinking of the cell
17. a molecule that has the ability to dissolve other molecules
19. are proteins that transport substances across biological membranes

20. When molecules pass through a cell membrane using special proteins called transport proteins
21. a substance that dissolves another substance by pulling the molecules apart through electrochemical interactions
22. the molecules and surfaces repel water; the fear of water
23. the force within the cell that pushes the plasma membrane against the cell wall

Down

1. a solute in a solution pertains to the ratio of the mass or volume of the solute to the mass or volume of the solvent
3. The process during which a cell's vesicles releases their contents outside the cell
5. a substance that can be dissolved by a solvent to create a solution
6. its ability to differentiate between different types of molecules, only allowing some molecules through while blocking others

7. Hydrophobic tails are facing inward and their hydrophilic heads are outward
9. glycolipids/glycoproteins, are chains found on the surface of the cell membrane that are made of carbohydrates + lipid (or) protein
10. when the concentration of particles is higher in one area than another.
13. The movement of substances through a cell membrane only by using the cell's energy
15. The process during which a cell takes in a substance by surrounding it with the cell membrane
16. The movement of substances through a cell membrane without using the cell's energy
18. portion of a molecule is one whose interactions with water and other polar substances are more thermodynamically favorable than their interactions with oil or other hydrophobic solvents

Word Bank

isotonic
endocytosis
hypertonic
solute
facilitated diffusion
Selectively permeable

cholesterol
transport protein
EXOCYTOSIS
diffusion
passive transport
turgor pressure

hypotonic
Active Transport
concentration
hydrophobic
carbohydrate chain
osmosis

concentration gradient
hydrophilic
phospholipid bilayer
solution
solvent