

Name/Period: \_\_\_\_\_

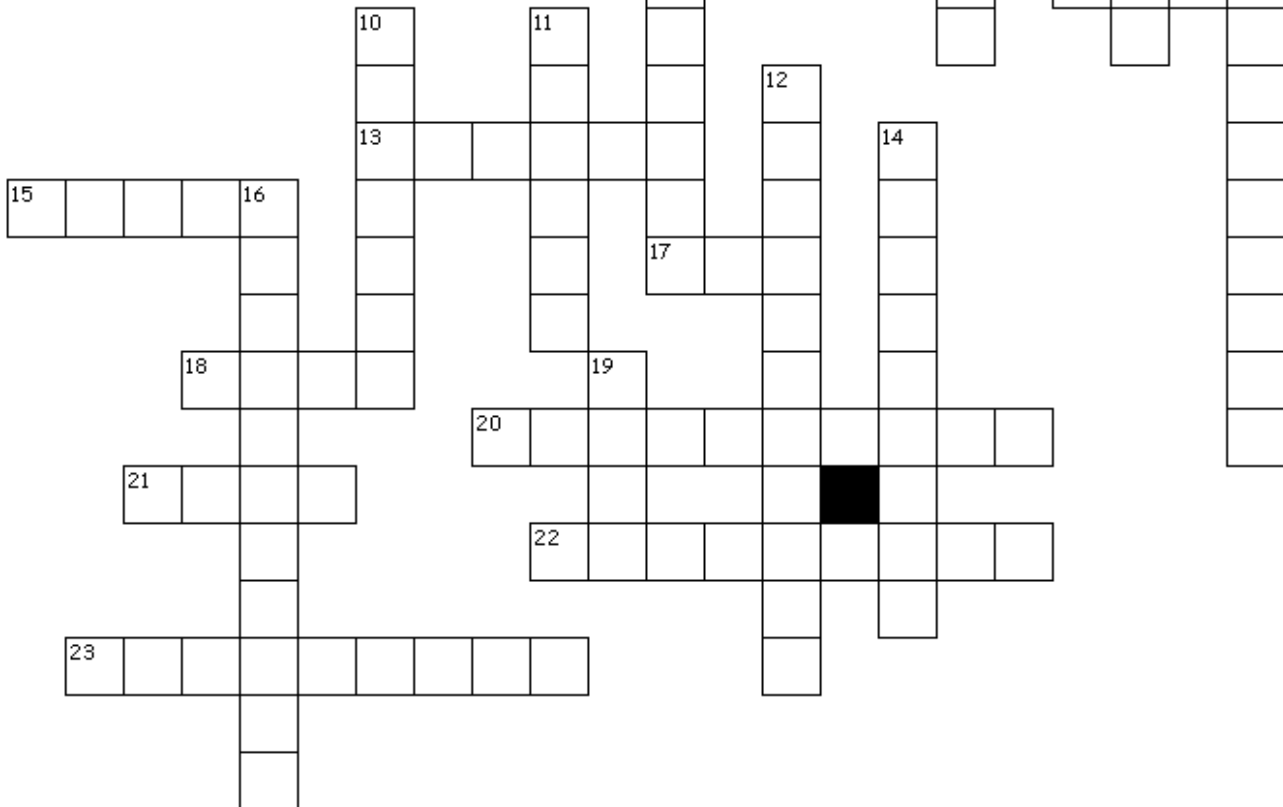
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27

# CELL

# MEMBRANE

# X-WORD



## ANSWER THE Q'S:

1. Who can a person with type-A blood GIVE blood to? \_\_\_\_\_
2. Who can a person with type-B blood GET blood from? \_\_\_\_\_
3. Who can a person with type-O blood GET blood from? \_\_\_\_\_
4. Draw what the double layer of lipids looks like in the cell membrane:

## Across

1. This is one of the materials that build the cell membrane.
5. This is the movement of water.
7. This is a liquid that passes freely across a cell membrane.
9. Type-O blood has \_\_\_\_ "sign" proteins in the cell membrane.
13. This is one gas that passes freely across a cell membrane.
15. The \_\_\_\_ Blood Cells are in charge of destroying foreign cells in the body.
17. There are \_\_\_\_ different "signs" that show blood type.
18. Some proteins function as "\_\_\_\_" holders.
20. This is a special method that a cell can use to expel LOTS of materials out of the cytoplasm.
21. The cell membrane is the \_\_\_\_ of the cell.
22. Selective (or Active) \_\_\_\_\_ requires energy to move materials.
23. Type-AB blood is known as the "Universal \_\_\_\_\_".

## Down

2. The cell membrane doesn't allow all things to pass through freely; it is known as semi-\_\_\_\_\_.
3. Type-O blood is known as the "Universal \_\_\_\_\_".
4. The structure of the cell membrane is known as a Lipid \_\_\_\_\_.
6. This special type of lipid allows the cell membrane to "flow" like a liquid.
8. Active transport is the only way materials can move \_\_\_\_ the concentration gradient.
10. This is one of the materials that build the cell membrane.
11. Diffusion always happens from \_\_\_\_\_ to lower concentration.
12. This is a special way that a cell can bring LOTS of materials into the cytoplasm from outside the cell.
14. This is one of the ways materials can move and energy is NOT needed.
16. When all diffusion is complete, the area is said to be in a "State of \_\_\_\_\_".
19. There are \_\_\_\_ different types of blood.