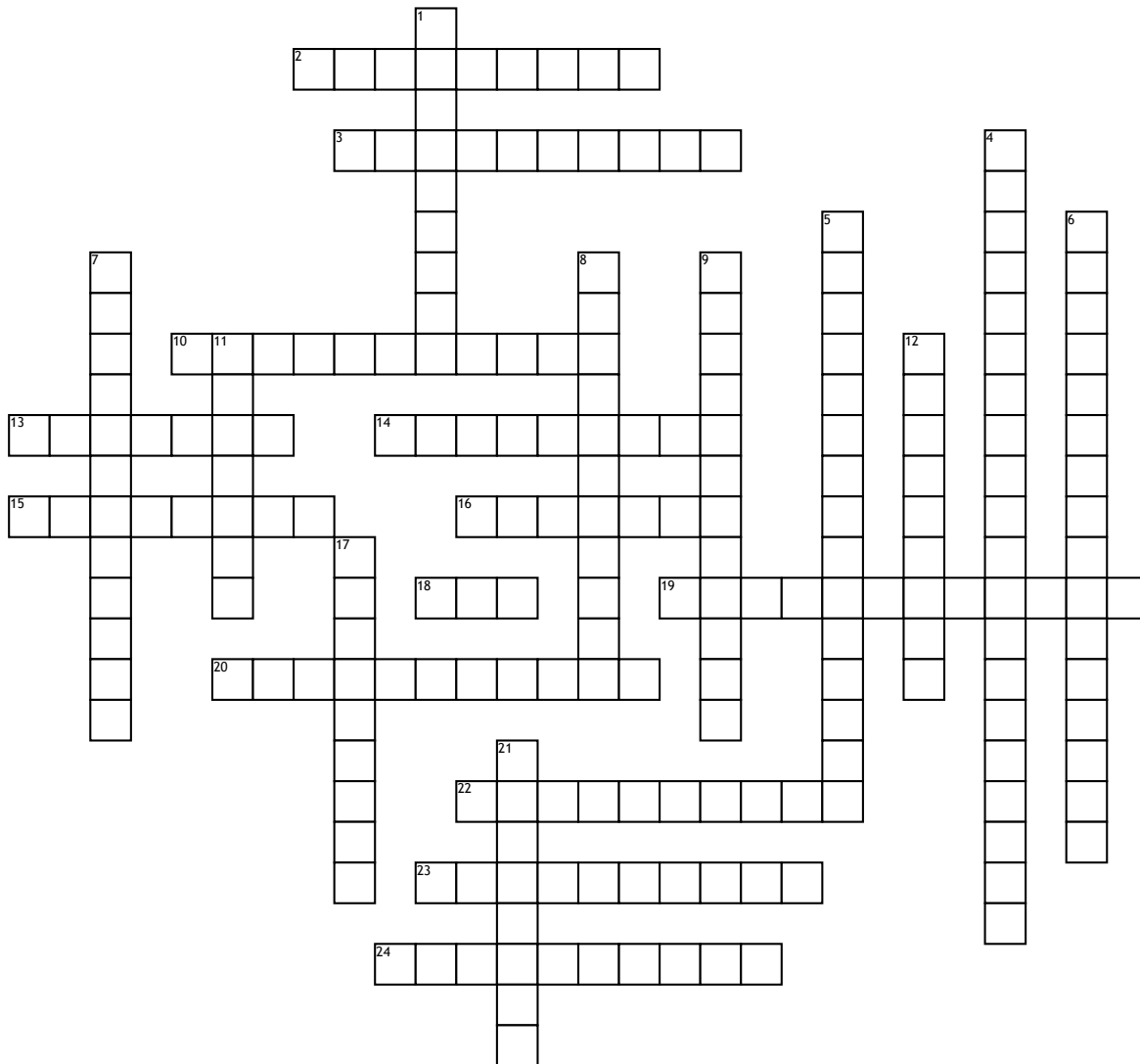


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Cell Crossword Puzzle



## Across

2. organelles that manufacture proteins  
 3. units inside all cells which perform specific functions  
 10. an example of this type of cell is bacteria  
 13. the structure found in the cytoplasm which stores the DNA  
 14. a spherical structure in the nucleus which manufactures ribosomal components  
 15. ER that isn't covered in ribosomes. makes proteins and lipids that will be exported by the cell, also controls calcium level in muscles and detoxifies poisons, alcohol, and drugs  
 16. a storage structure in the cytoplasm that may hold food or wastes  
 18. molecule in every living organism that contains specific genetic information on that organism

19. the barrier around all cells which protects them from the outside world  
 20. a type of plastid that performs photosynthesis  
 22. a small body located near the nucleus; where microtubules are made  
 23. this is a principle that states that all living organisms are made of one or more cells  
 24. an example of this type of cell is animal, plant, fungi, and protists  
**Down**  
 1. modifies and packages proteins and carbohydrates into membrane-bound vesicles for "export" from the cell  
 4. an extensive network of folded membranes and membranous sacs throughout the cytoplasm  
 5. surrounds the nucleus  
 6. process where proteins are made

7. powerhouse of the cell  
 8. shaped like soda straws and give the nucleus its shape  
 9. a complex network of proteins that strengthen the cell and keep it from rupturing  
 11. ER that has ribosomes attached to it. also transports materials through the cell and produces proteins in sacks called cistern which are sent to the golgi body, or inserts into the cell membrane  
 12. nutrients are digested by the cell here, as well as, old cell organelles that are going to be recycled  
 17. the jelly-like fluid that fills the inside of a cell  
 21. a protective layer that surrounds the cell membrane (only plant cells have this)