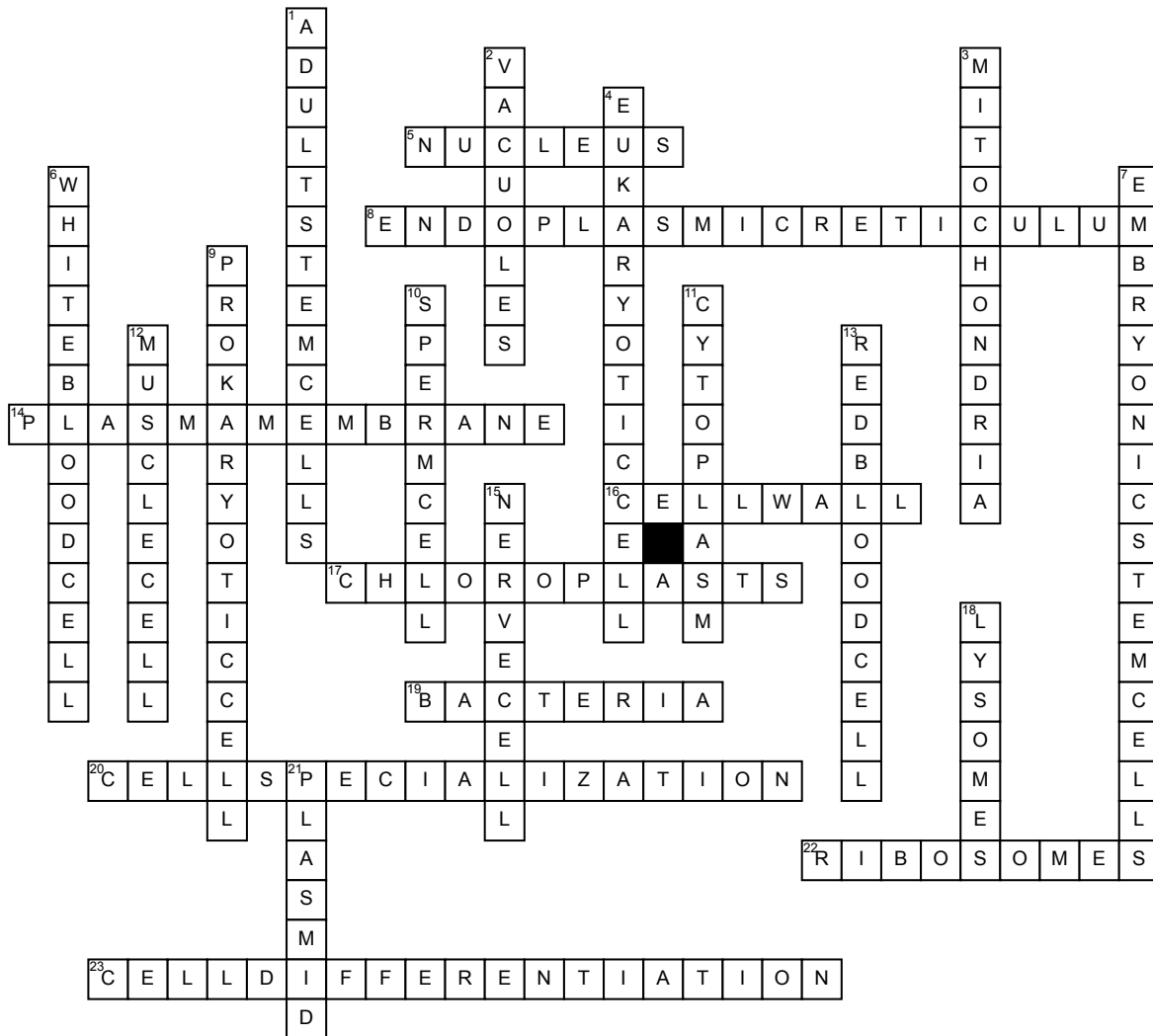


# Biology cells crossword puzzle



## Across

5. the control center of the cell: contains DNA as chromatin  
8. a network of membranes used for intracellular transport of molecules  
14. the fluid boundary surrounding all cells: made primarily of lipids  
16. the rigid, protective outer barrier of some cells. in plants the cell wall is made of cellulose  
17. the site of photosynthesis in plant cells  
19. two kingdoms of organisms made up of prokaryotic cells  
20. the fact that certain cells have structures that allow them to carry out their intended function

22. the site of protein synthesis. found free in the cytoplasm as well as attached to the Rough ER. found in ALL CELLS  
23. the turning on and off of genes that allows cells to become specialized

## Down

1. stem cells that have had some genes turned off, so they can become only certain types of cells within the body  
2. areas of the cell used for storage of water and waste  
3. the powerhouse of the cell. the site of cellular respiration.  
4. a cell with a nucleus and membrane-bound organelles  
6. cells that are specialized to attack and engulf pathogens that enter the body

7. stem cells with the complete genome, still able to become any type of cell within the body  
9. a cell without a nucleus or membrane-bound organelles  
10. male reproductive cells. they are haploid and have flagellum to allow for movement  
11. the gel-like substance that supports the organelles within the cell  
12. cells that are specialized to contract and cause movement  
13. cells that are specialized to carry oxygen within the body  
15. a cell with many branching projections  
18. organelles containing digestive  
21. a circular piece of DNA, separate from the main genome found in bacteria and often used in bacterial transformation