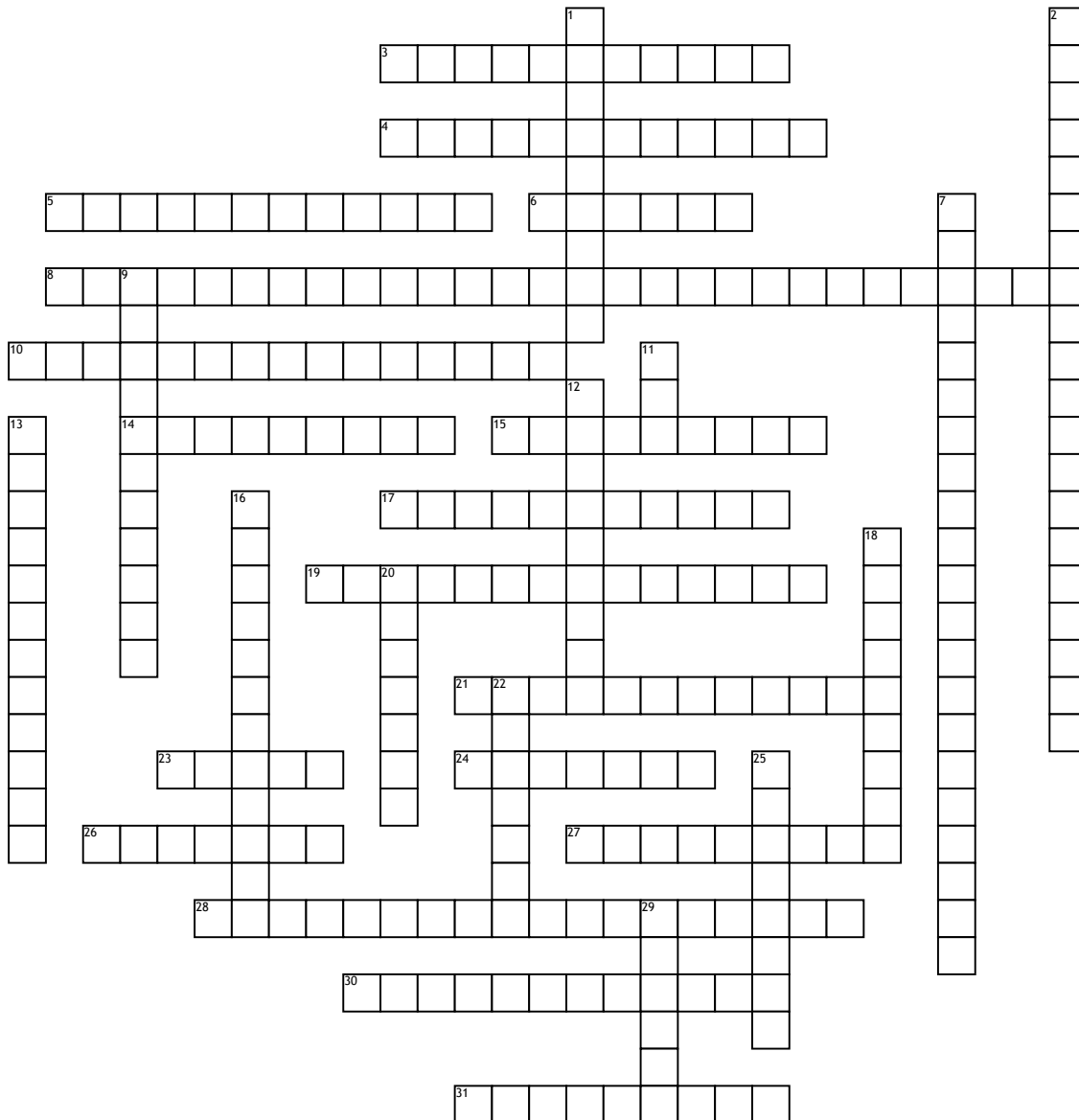


Name: \_\_\_\_\_

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

# Cells Pt. 2



## Across

3. organelle that helps detoxify that makes peroxide and then breaks it down  
 4. thicker filaments made of tubulin proteins, anchor organelles  
 5. produces ATP through cellular respiration, the "powerhouse"  
 6. stacks of thylakoids  
 8. a center for microtubules in plants and fungi  
 10. double layer membrane around the nucleus  
 14. protein synthesis  
 15. pancake-like structure that forms stacks in chloroplasts  
 17. two centrioles in animal cells that play a role in microtubule assembly  
 19. thin filaments made of actin proteins, used for movement

21. a cell that loses color, has 3 layers

23. proteins come from the ER to be modified  
 24. contains DNA and controls cellular activity  
 26. folds on the inner membrane of the mitochondria that contain DNA  
 27. organelles in animal cells that break down and recycle molecules  
 28. membrane and membrane bound organelles that interact through vesicles  
 30. a phospholipid bilayer, used for transporting things in and out of the cell  
 31. DNA, proteins, and chromosomes located in the nucleus

## Down

1. stacks that make up the golgi  
 2. the nucleus sends mRNA here

7. tough flexible fibers that help with cell stretching

9. type of plastid-organelle that produces and stores food in plants and algae, site for photosynthesis  
 11. composed of nucleotides, genetic information for making proteins  
 12. everything in the cell  
 13. allows substances to pass in and out of the nucleus  
 16. maintains the shape and internal structure of cells  
 18. located in the nucleus, makes rRNA  
 20. liquid in the cell, pH of 7.2  
 22. uses mRNA to make proteins, lined with ribosomes  
 25. makes lipids and detoxifies  
 29. fluid between thylakoid membranes