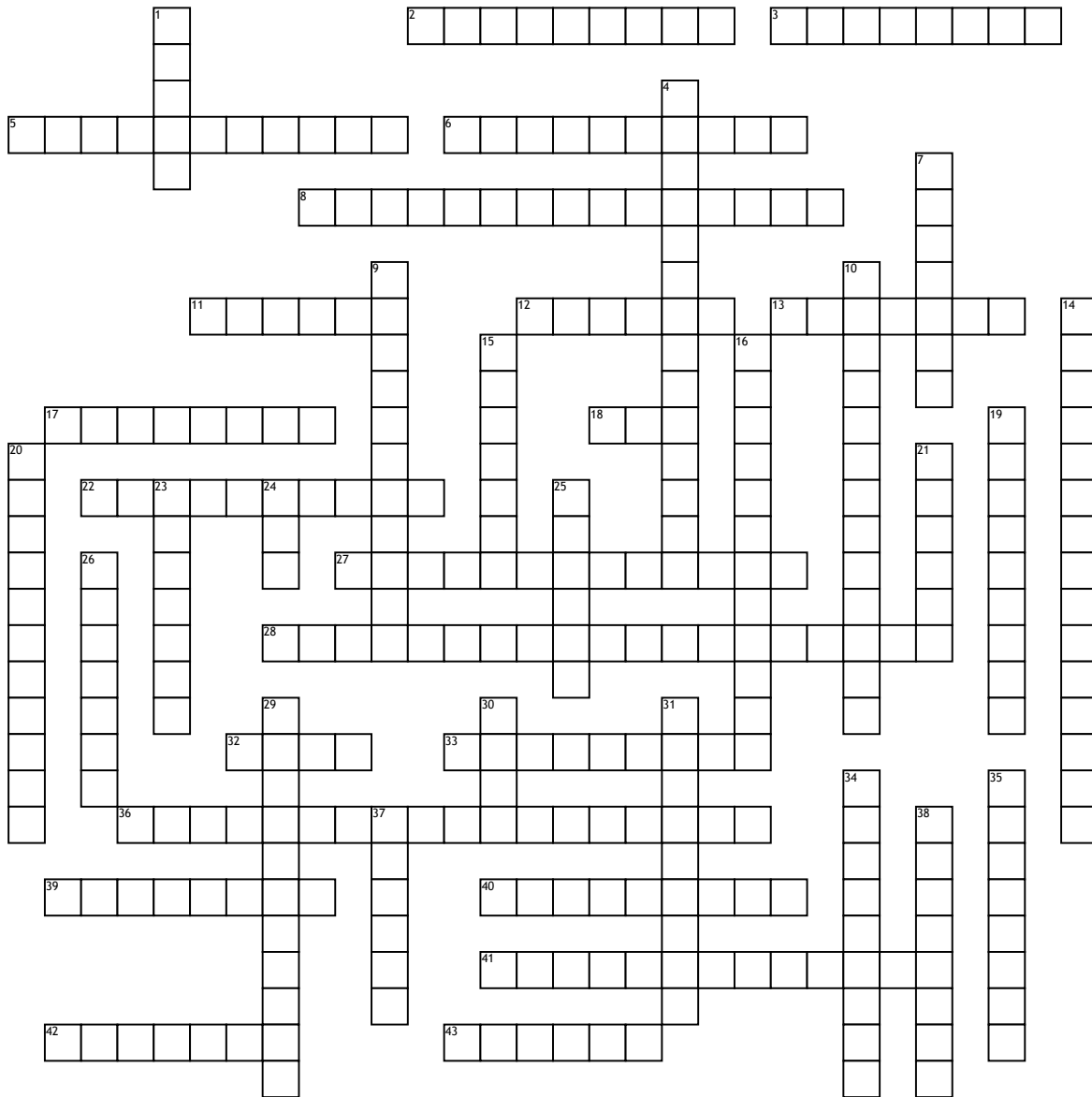


Name: \_\_\_\_\_

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

# Semester 1 biology review



## Across

2. phase of mitosis when the chromosomes are lined up across the equator of the cell  
 3. whip-like structure that helps a cell move  
 5. splitting of the cytoplasm of a cell following mitosis  
 6. type of environment in which a cell would shrink and shrivel  
 8. [www.\\_\\_\\_\\_\\_](http://www.gizmo.com).com is the website to get to GIZMO labs  
 11. XX  
 12. where meiosis takes place in males  
 13. amount of a substance  
 17. nitrogen base that triple bonds to guanine  
 18. contains the genetic code for making proteins  
 22. maintaining a stable internal environment  
 27. trisomy 21  
 28. the factor you control when you are doing an experiment  
 32. number of different allele combinations from AaBb

## Down

33. Photograph of chromosomes arranged in pairs  
 36. responsible for bailing out water in a Paramecium  
 39. what a living thing responds to in the environment  
 40. cell organelle where proteins are made; make RER rough; most numerous organelle  
 41. 46 for humans (2n)  
 42. occupies most of the volume of plant cells  
 43. on-line lab activities to review for your exam  
 1. type of animal whose egg changes gender according to temperature  
 4. when Vincent pretends to be Jerome  
 7. nitrogen base that double bonds to thymine  
 9. the sugar in DNA  
 10. 23 for humans (n)  
 14. genetic disease treated with a strict low-protein diet  
 15. your heart and diaphragm  
 16. controls what enters and leaves the cell

## Across

19. change over time  
 20. a tadpole turning into a frog; a caterpillar turning into a butterfly  
 21. Stage of the cell cycle in which a cell's DNA is copied  
 23. type of a cell division that produces two identical cells  
 24. a chromosome that looks like an 'X' has \_\_\_\_\_ sister chromatids  
 25. gas that comes out of photosynthesis  
 26. Anton's brother  
 29. total magnification under high power of our microscopes  
 30. XY  
 31. fresh water surrounding a red blood cell  
 34. packages substances to be exported from the cell  
 35. when the chromosomes first become visible during mitosis  
 37. complement of ATGCTA  
 38. type of graph you would make for a data set expressed in percentages