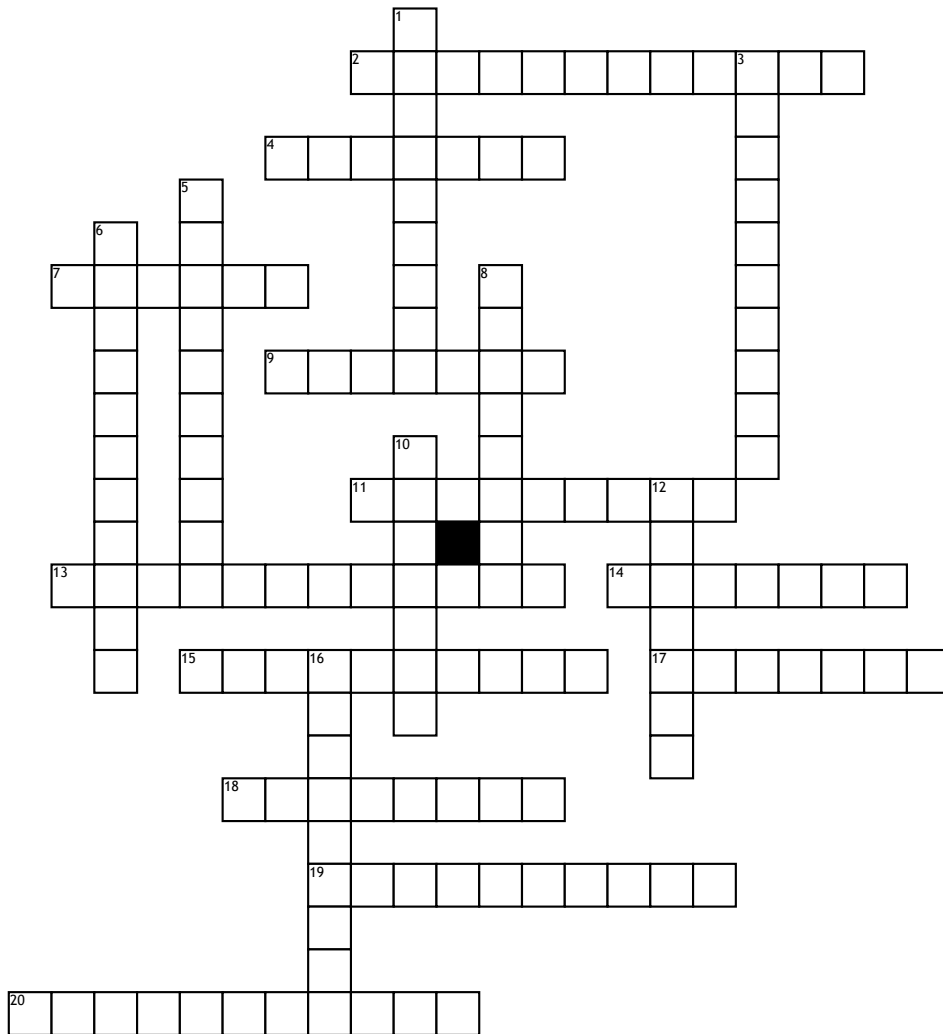


Name: \_\_\_\_\_

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

# Mitosis and Meiosis



## Across

2. The process in which cells divide into two daughter cells  
 4. Term used to refer to a cell that contains only a single set of chromosomes  
 7. Structure containing 4 chromatids that forms mitosis  
 9. Diagram showing the relative locations of each known gene on a particular chromosome  
 11. Second phase of mitosis  
 13. Process in which homologous chromosomes exchange portions of their chromosomes during mitosis  
 14. Part of eukaryotic cell division where the cell nucleus divides

15. One of two tiny structures located in the cytoplasm near the nuclear envelope  
 17. Term used to refer to a cell that contains sets of both homogeneous chromosomes  
 18. The first and longest phase of mitosis  
 19. Term used to refer to chromosomes that have a corresponding chromosome  
 20. Division of the cytoplasm during cell division

## Down

1. Series of events that cells go through as they grow and divide  
 3. Period of the cell cycle between cell divisions

5. One of two identical sister parts of a duplicated chromosome  
 6. Area where the chromatids of a chromosome are attached  
 8. Third phase of mitosis  
 10. Process by which the number of chromosomes per cell is cut in half  
 12. Fanlike microtubule structure that helps separate the chromosomes during mitosis  
 16. Forth and final phase of mitosis

## Word Bank

Homologous  
 Cytokinesis  
 Telophase  
 Centrioles

Meiosis  
 Mitosis  
 Diploid  
 Haploid

Chromatids  
 Interphase  
 Centeomeres  
 Metaphase

Prophase  
 Gene map  
 Crossing over  
 Tetrad

Spindle  
 Cell Division  
 Anaphase  
 Cell Cycle