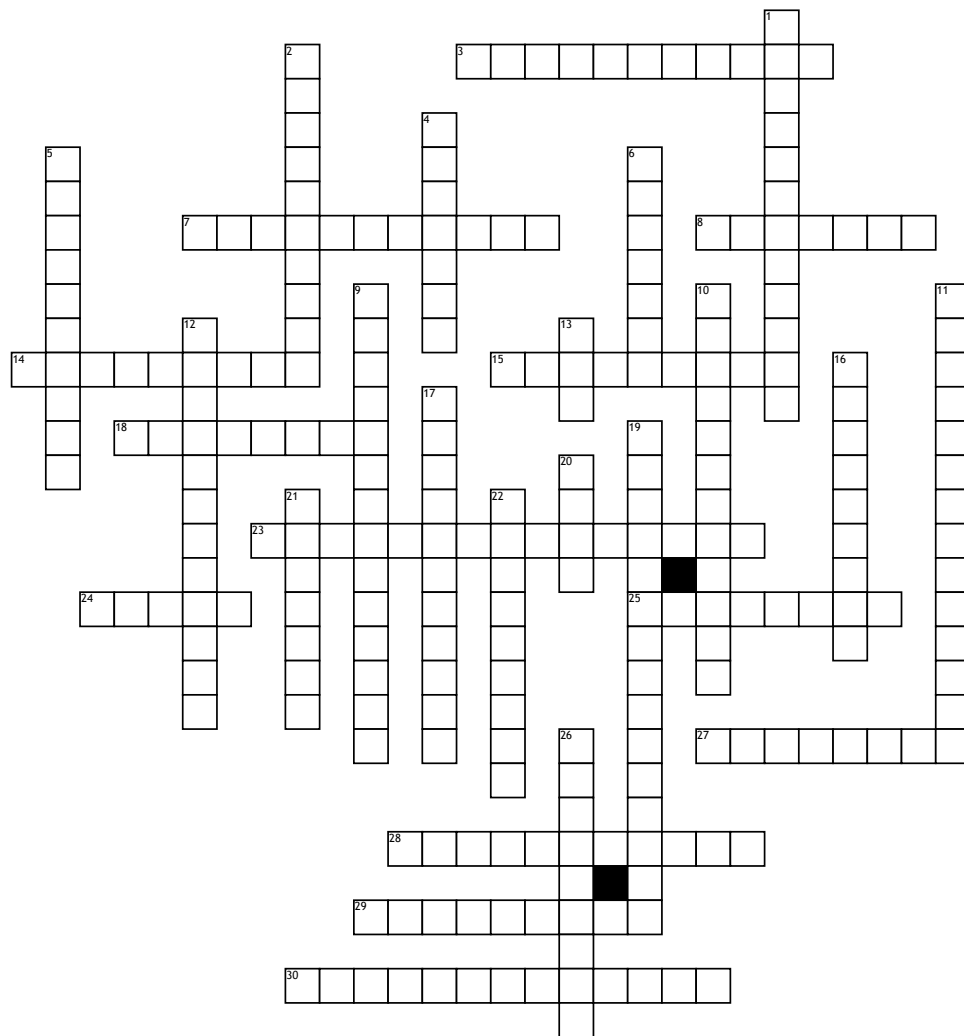


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

## M - Phase: Chromosome Segregation and Division of Cytoplasmic Contents



### Across

3. As a result two new nuclei form.  
 7. Attaches to the microtubules at the kinetochores in the Prometaphase.  
 8. A part of the cell containing DNA and RNA.  
 14. The life cycle of a eukaryotic cell.  
 15. Structures in the cell that organize and divide the cell.  
 18. First phase of Mitosis.  
 23. What reforms around chromosomes in the Telophase.  
 24. Arrangement of microtubules.  
 25. Fourth phase of Mitosis.  
 27. The chromatids separate during which phase?

28. These condense and become visible in Prophase.  
 29. Third phase of Mitosis.  
 30. Microtubules made by the centrioles.

### Down

1. Are pulled toward the poles.  
 2. The most condensed and constricted region of a chromosome.  
 4. Cell division where the nucleus divides into two nuclei.  
 5. Cell Plate divides the daughter cells.  
 6. Chromosomes move to where in the cell during the 2nd phase of Mitosis?  
 9. Who discovered chromosomes while observing the process of cell division?  
 10. Second phase of Mitosis.

11. An imaginary plane perpendicular to the axis of the spindle.  
 12. This is disassembled as the spindle begins to form.  
 13. Provides the information for cell growth and function.  
 16. The nucleus reforms in which phase?  
 17. Cleavage Furrow divides the daughter cells.  
 19. Breaks down in the first phase of Mitosis.  
 20. How many phases are there in the Mitosis process?  
 21. Part of the cell responsible for growth and reproduction.  
 22. Last phase of Mitosis.  
 26. Duplicated copies of DNA; also called sister chromatids.

### Word Bank

Centriole	Nucleus	Prophase	Metaphase	Chromosomes	Centromere
Animal Cells	Five	Plant Cells	Walter Flemming	Anaphase	Mitosis
Equator	Telophase	Cell Cycle	Chromatid	Nucleus	Nuclear Envelope
Chromosomes	Nuclear Envelope	Spindle Fibers	DNA	Prometaphase	Anaphase
Cytokinesis	Aster	Telophase	Metaphase Plate	Kinetochores	Cytoskeleton