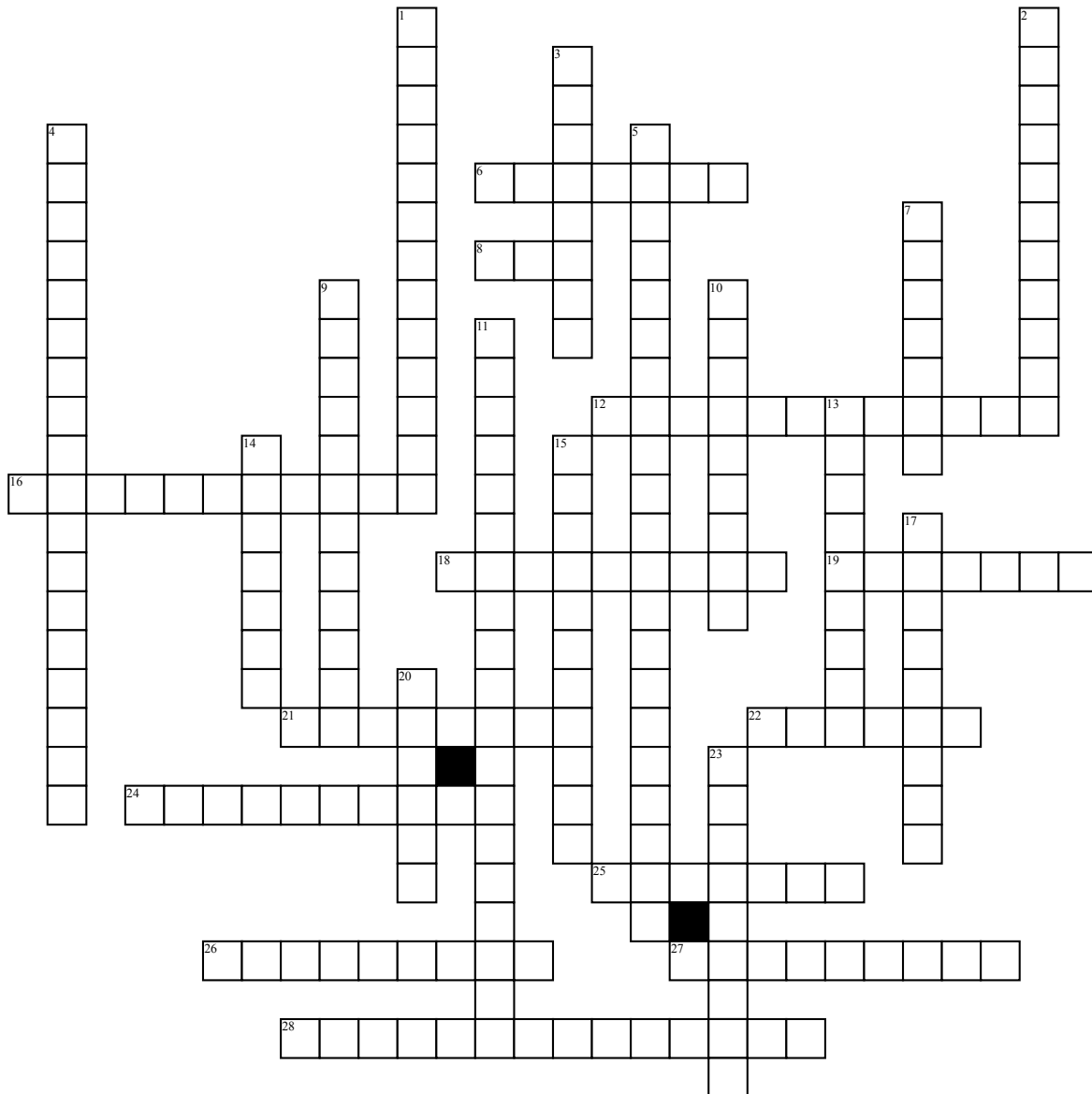


# CELL REPRODUCTION CROSSWORD



## Across

6. A cell that contains both chromosomes of a homologous pair.  
 8. Hereditary information in the form of a large molecule.  
 12. A body cell.  
 16. Process when one bacterium transfers genetic material to another through direct contact.  
 18. Chromosomes move to opposite ends of the cell and two nuclei are formed.  
 19. Nuclear division.  
 21. The first stage of cell division.  
 22. Tumors resulting from the loss of control of cell division.  
 24. Longest stage in the cell cycle.  
 25. Creates sex cells.  
 26. The cycle of growth and asexual reproduction of a cell.

27. Photograph of the chromosomes in a cell arranged in pairs by size.  
 28. The failure of sister chromatids to separate during and after mitosis. The failure of homologous chromosomes to separate during and after meiosis.

## Down

1. Asexual reproduction used by prokaryotes such as bacteria.  
 2. Rod-shaped structures made of coiled DNA and proteins.  
 3. Phase in mitosis in which chromosomes separate from each other.  
 4. A technique commonly used in the lab to separate charged molecules.  
 5. A chromosome with the same gene sequence as another.  
 7. Eggs and sperm cells formed from meiosis.

9. Exchange of genetic material between homologous chromosomes during prophase I.  
 10. Stage when chromosomes line up at the equator.  
 11. The process by which a less specialized cell becomes a more specialized cell type.  
 13. Uncoiled DNA in the nucleus of a non-dividing cell.  
 14. Only 1 chromosome of each homologous pair.  
 15. Separation into two daughter cells.  
 17. undifferentiated cells that are able to differentiate into specialized cell types.  
 20. Mitosis phase of cell division in which the nucleus divides.  
 23. Half of a chromosome.