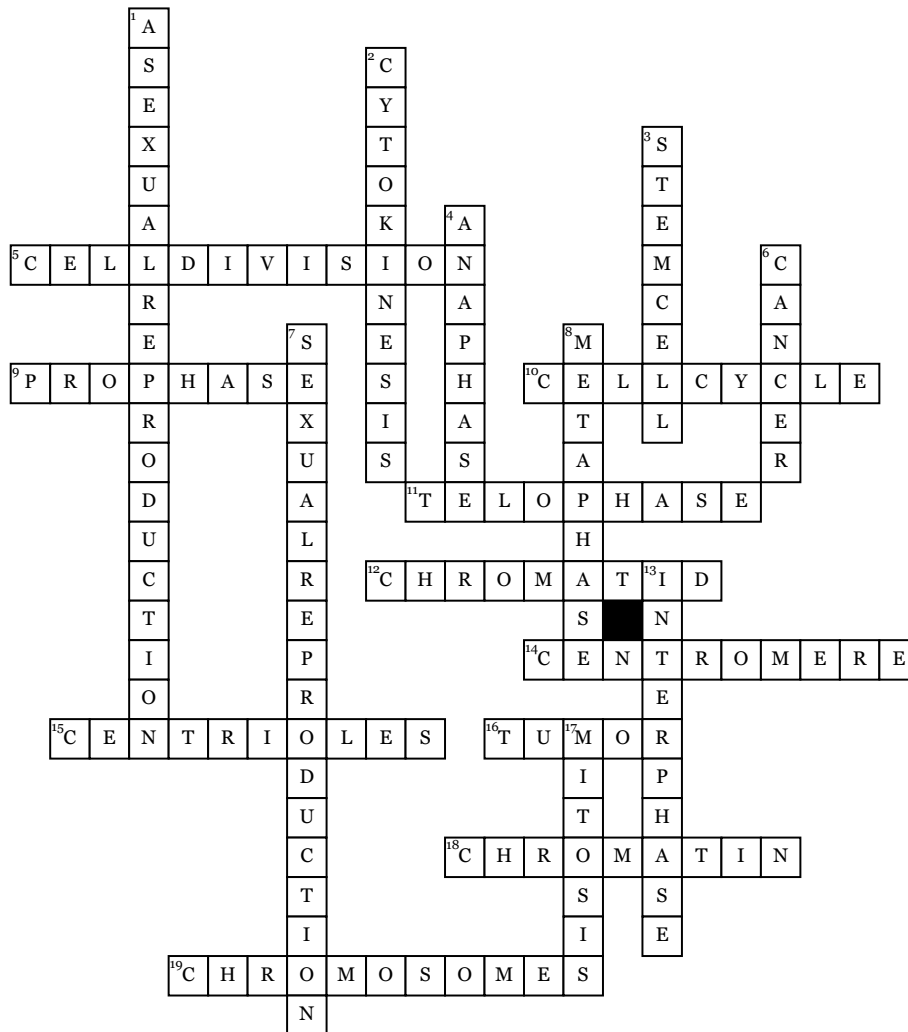


Mitosis Crossword Puzzle



Across

- 5. Process by which a cell divides into new daughter cells.
- 9. The first phase of mitosis where the genetic material inside the nucleus condenses and the duplicated chromosomes become visible
- 10. A series of events in which a cell grows, prepares for division, and divides to form two daughter cells.
- 11. the fourth and final phase of mitosis where the chromosomes, which were distinct and condensed begin to spread out into a tangle of chromatin
- 12. one of two identical "sister" parts of a duplicated chromosomes

- 14. region of a chromosome where the two sister chromatids attach.
- 15. Spindle fibers extend from a region called the centrosome, where tiny paired structures are located
- 16. mass of rapidly dividing cells that damage surrounding tissue
- 18. the chromosomes in eukaryotic cells from a close association with histones, a type of protein.
- 19. Genetic info. that is bundled into packages of DNA

Down

- 1. the production of genetically identical offspring from a single parent.
- 2. division of the cytoplasm to form two separate daughter cells

- 3. unspecialized cell that can give rise to one or more types of specialized cells.
- 4. the third phase of mitosis where the chromosomes separate and move along spindle fibers to opposite ends of the cell.
- 6. disorder in which some of the body's cells lose the ability to control growth
- 7. type of reproduction in which cells form two parents unite to form the first cell of a new organism.
- 8. the second phase of mitosis where the centromeres of the duplicated chromosomes line up across the center of the cell
- 13. One cell division after another separated by an "in-between" period of growth.
- 17. Part of eukaryotic cell division during which the cell nucleus divides.

Word Bank

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|-------------|---------------------|----------------------|------------|
| cancer | Centromere | interphase | Cell cycle |
| Mitosis | Cell division | Cytokinesis | telophase |
| chromosomes | Chromatin | tumor | stemcell |
| centrioles | prophase | Chromatid | anaphase |
| metaphase | sexual reproduction | Asexual reproduction | |