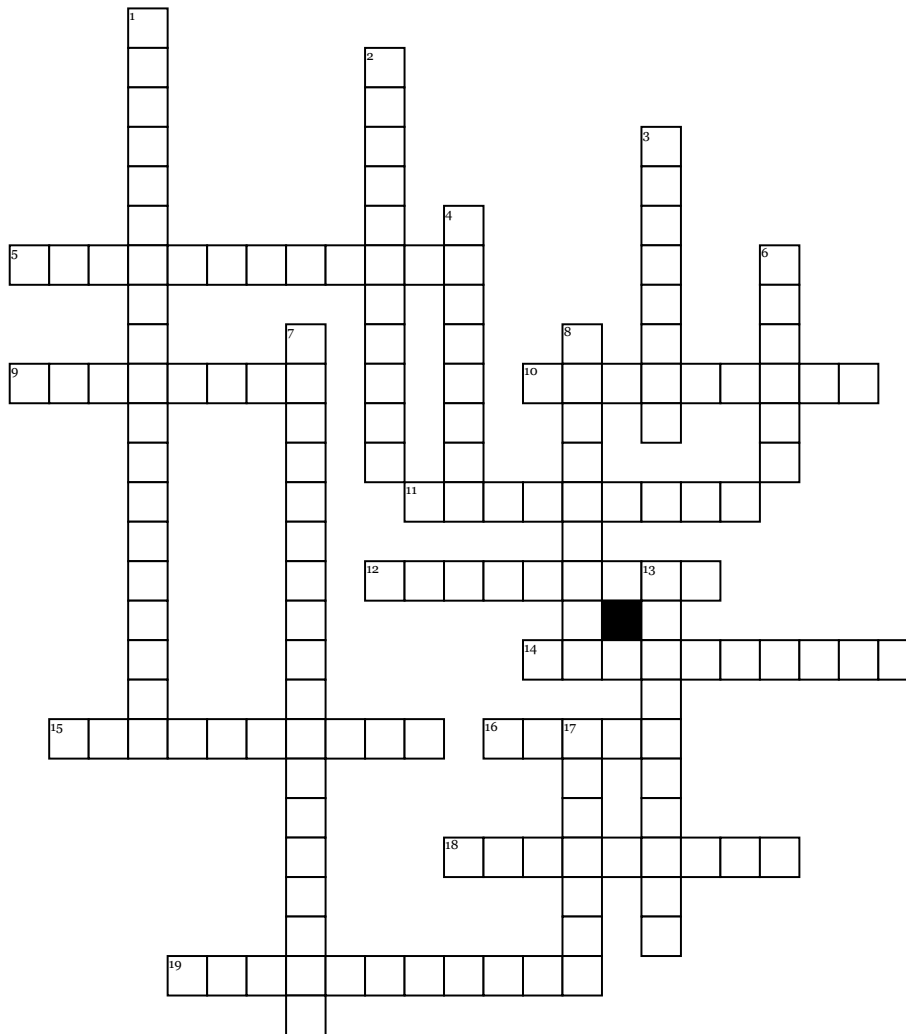


Name: _____ Date: _____ Period: _____

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 form 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

anaphase
Cytokinesis
Cell cycle
Cell division
Centromere

interphase
centrioles
telophase
sexual reproduction
Chromatid

metaphase
Asexual reproduction
stemcell
prophase
Mitosis

tumor
Chromatin
cancer
chromosomes