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

Mitosis Crossword Puzzle

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|  |  |  |  |  |  |  |  E |  |  |  |  |  |  Y |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  X |  |  |  |  |  |  T |  |  |  |  |  |  | 3S |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  U |  |  |  |  |  |  O |  |  |  |  |  |  |  T |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  A |  |  |  |  |  |  K |  | 4A |  |  |  |  |  E |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 5C |  E |  L |  L |  D |  I |  V |  I |  S |  I |  O |  N |  |  |  |  |  M |  |  | 6C |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  R |  |  |  |  |  |  N |  |  A |  |  |  |  |  C |  |  |  A |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  E |  |  |  | 7S |  |  E |  |  P |  |  | 8M |  |  E |  |  |  N |  |  |  |  |  |  |
|  |  |  |  | 9P |  R |  O |  P |  H |  A |  S |  E |  |  S |  |  H |  | 10C |  E |  L |  L |  C |  Y |  C |  L |  E |  |  |  |  |
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| **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. |

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