

MITOSIS

A crossword puzzle grid with 19 numbered starting points for words related to mitosis. The grid consists of empty squares for letters, with some squares shaded or blocked out. The numbered squares are:

- 1: Top row, column 1.
- 2: Top row, column 2.
- 3: Top row, column 8.
- 4: Row 2, column 1.
- 5: Row 2, column 8.
- 6: Row 3, column 6.
- 7: Row 4, column 3.
- 8: Row 5, column 2.
- 9: Row 6, column 7.
- 10: Row 6, column 4.
- 11: Row 6, column 6.
- 12: Row 6, column 7.
- 13: Row 7, column 1.
- 14: Row 7, column 3.
- 15: Row 7, column 9.
- 16: Row 7, column 6.
- 17: Row 8, column 2.
- 18: Row 9, column 1.
- 19: Row 10, column 1.

MITOSIS

(A Term Might Be Used More Than Once)

ACROSS

1. Phase during which the chromosomes line up along the center of the cell
4. Phase during which microtubules connect the centromeres of the chromosomes to the poles of the spindle
5. Another term for the center of the cell where the chromosomes line up during mitosis
7. Phase during which a nuclear envelope surrounds each set of chromosomes
13. In many cell, this process follows mitosis (2 words)
16. Phase during which the chromosomes condense into short, thickened rods
18. DNA does this prior to prophase
19. Phase between cell divisions

DOWN

2. Type of cells that undergo mitosis
3. One of the factors of a cell that leads to mitosis
6. After the chromosome has made a copy of itself, each of the two strands is called this
8. Mitosis is the division of this
9. Phase during which the centrioles separate and move to opposite sides of the cell
10. Term that represents the number of chromosomes in the nucleus of a cell following mitosis
11. Phase during which identical sets of chromosomes are moved to opposite sides of the cell
12. Proper terms meaning cell division
13. Structure that holds each chromosome to its exact copy
14. Term that represents the number of chromosomes in the nucleus of a cell prior to mitosis
15. A term that should not be confused with mitosis
17. Phase that takes about 50 to 60 percent of the total time to complete mitosis

Use the following words:

Eukaryotic, chromatid, telophase, prophase, meiosis, nucleus, centromere, equator, cytokinesis, metaphase, size, nucleus, anaphase, diploid, prophase, replicates, interphase, centromere, cell division,