**Mitosis Matching**

Write the letter corresponding to the correct match in the space provided.

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| \_\_\_ | 1. | Genes |

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| \_\_\_ | 2. | Mitosis |

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| \_\_\_ | 3. | Chromatid |

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| \_\_\_ | 4. | DNA |

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| \_\_\_ | 5. | Metaphase |

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| \_\_\_ | 6. | Prophase |

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| \_\_\_ | 7. | Daughter Cells |

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| \_\_\_ | 8. | Cytokinesis |

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| \_\_\_ | 9. | Anaphase |

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| \_\_\_ | 10. | Parent Cell |

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| \_\_\_ | 11. | Sister Chromatids |

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| \_\_\_ | 12. | Nucleus |

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| \_\_\_ | 13. | Chromosome |

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| \_\_\_ | 14. | Interphase |

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| \_\_\_ | 15. | Chromatin |

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| \_\_\_ | 16. | Telophase |

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| \_\_\_ | 17. | Spindle Fiber |

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| \_\_\_ | 18. | Centromere |

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| \_\_\_ | 19. | Centriole |

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| A. | chromosomes line up in the middle of the cell; spindle fibers attach at centromeres |

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| --- | --- |
| B. | contains DNA |

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| C. | spindle fibers shorten and chromosomes are pulled to each pole |

|  |  |
| --- | --- |
| D. | identical pieces of chromosome |

|  |  |
| --- | --- |
| E. | loosely coiled DNA (easy to read) |

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| --- | --- |
| F. | instructions for a cell's life |

|  |  |
| --- | --- |
| G. | the "offspring" of a parent cell |

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| --- | --- |
| H. | cell splits into two fully independent cells |

|  |  |
| --- | --- |
| I. | tightly coiled DNA (easy to move) |

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| J. | centrioles and spindle fibers dissolve; a new nucleus forms |

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| --- | --- |
| K. | pieces of DNA that code for traits |

|  |  |
| --- | --- |
| L. | cell division |

|  |  |
| --- | --- |
| M. | chromosomes after they split |

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| N. | the beginning of mitosis; chromosomes, spindle fibers, and centrioles form; nucleus dissolves |

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| O. | DNA "fishing line" (used to move DNA) |

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| P. | holds sister chromatids together |

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| --- | --- |
| Q. | DNA "fishing pole" (used to move DNA) |

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| R. | G1 S and G2 phases of the cell cycle |

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| S. | the original cell |

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**Answer key:**

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| --- | --- |
| **1.K****2.L****3.M****4.F****5.A****6.N****7.G****8.H****9.C****10.S** | **11.D****12.B****13.I****14.R****15.E****16.J****17O****18.P****19.Q** |