

# THE CELL CYCLE WORKSHEET

Name: \_\_\_\_\_

**Matching:** match the term to the description

A. Prophase      B. Interphase      C. Telophase      D. Metaphase      E. Anaphase

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| _____ 1. The sister chromatids are moving apart.                   | _____ 9. The chromosomes are moving towards the poles of the cell. |
| _____ 2. The nucleolus begins to fade from view.                   | _____ 10. Chromatids line up along the equator.                    |
| _____ 3. A new nuclear membrane is forming around the chromosomes. | _____ 11. The spindle is formed.                                   |
| _____ 4. The cytoplasm of the cell is being divided.               | _____ 12. Chromosomes are not visible.                             |
| _____ 5. The chromosomes become invisible.                         | _____ 13. Cytokinesis is completed.                                |
| _____ 6. The chromosomes are located at the equator of the cell.   | _____ 14. The cell plate is completed.                             |
| _____ 7. The nuclear membrane begins to fade from view.            | _____ 15. Chromosomes are replicated.                              |
| _____ 8. The division (cleavage) furrow appears.                   | _____ 16. The reverse of prophase.                                 |
|  | _____ 17. The organization phase.                                  |

**Fill in the blank:** Some will be used more than once.

A. Prophase      D. Metaphase      G. Chromatid      J. Spindle fiber  
 B. Interphase      E. Anaphase      H. Cytokinesis      K. Cell plate  
 C. Telophase      F. Centromere      I. Mitosis

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| _____ 18. What phase are daughter cells in as a result of mitosis?   | _____ 23. What are the two parts of cell division?                               |
| _____ 19. During what phase of mitosis do centromeres divide and the chromosomes move toward their respective poles? | _____ 24. What structure forms in prophase along which the chromosomes move?     |
| _____ 20. What is the phase where chromatin condenses to form chromosomes?   | _____ 25. Which phase of mitosis is the last phase that chromatids are together? |
| _____ 21. What is the name of the structure that connects the two chromatids?  | _____ 26. Which phase of the cell cycle is characterized by a non-dividing cell? |
| _____ 22. In a chromosome pair connected by a centromere, what is each individual chromosome called?                 | _____ 27. What structure is produced when protein fibers radiate from            |