

# THE CELL CYCLE WORKSHEET

Name: Key

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

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

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

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

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

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|--|---|
| __B__ 18. What phase are daughter cells in as a result of mitosis?   | __I, H__ 23. What are the two parts of cell division?                             |
| __E__ 19. During what phase of mitosis do centromeres divide and the chromosomes move toward their respective poles? | __J__ 24. What structure forms in prophase along which the chromosomes move?      |
| __A__ 20. What is the phase where chromatin condenses to form chromosomes?   | __D__ 25. Which phase of mitosis is the last phase that chromatids are together?  |
| __F__ 21. What is the name of the structure that connects the two chromatids?  | __B__ 26. Which phase of the cell cycle is characterized by a non-dividing cell?  |
| __G__ 22. In a chromosome pair connected by a centromere, what is each individual chromosome called?                 | __J__ 27. What structure is produced when protein fibers radiate from centrioles? |
|  | __K__ 28. What forms across the center of a cell near the end of telophase?       |