

# 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.**

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|---------------|---------------|----------------|------------------|
| 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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|--|--|
| ___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 structure is found in the center of a chromosome?   | ___B___ 26. Which phase of the cell cycle  |