

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.

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 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? |