

# THE CELL CYCLE WORKSHEET

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

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

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|--|---|---|
| <p>A. Prophase<br/>B. Interphase<br/>C. Telophase<br/>D. Metaphase<br/>E. Anaphase</p> | <p>1. The sister chromatids are moving apart.<br/>2. The nucleolus begins to fade from view.<br/>3. A new nuclear membrane is forming around the chromosomes.<br/>4. The cytoplasm of the cell is being divided.<br/>5. The chromosomes become invisible.<br/>6. The chromosomes are located at the equator of the cell.<br/>7. The nuclear membrane begins to fade from view.<br/>8. The division (cleavage) furrow appears.</p> | <p>9. The chromosomes are moving towards the poles of the cell.<br/>10. Chromatids line up along the equator.<br/>11. The spindle is formed.<br/>12. Chromosomes are not visible.<br/>13. Cytokinesis is completed.<br/>14. The cell plate is completed.<br/>15. Chromosomes are replicated.<br/>16. The reverse of prophase.<br/>17. The organization phase.</p> |
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**Fill in the blank:** Some will be used more than once.

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| <p>A. Prophase<br/>B. Interphase<br/>C. Telophase<br/>D. Metaphase<br/>E. Anaphase<br/>F. Centromere</p>   | <p>G. Chromatid<br/>H. Cytokinesis<br/>I. Mitosis<br/>J. Spindle fiber<br/>K. Cell plate</p>   |
| <p>18. What phase are daughter cells in as a result of mitosis?<br/>19. During what phase of mitosis do centromeres divide and the chromosomes move toward their respective poles?<br/>20. What is the phase where chromatin condenses to form chromosomes?<br/>21. What is the name of the structure that connects the two chromatids?<br/>22. In a chromosome pair connected by a centromere, what is each individual chromosome called?</p> | <p>23. What are the two parts of cell division?<br/>24. What structure forms in prophase along which the chromosomes move?<br/>25. Which phase of mitosis is the last phase that chromatids are together?<br/>26. Which phase of the cell cycle is characterized by a non-dividing cell?<br/>27. What structure is produced when protein fibers radiate from</p> |