

THE CELL CYCLE WORKSHEET

Name: _____

Matching: match the term to the description

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

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

- | | | | |
|--|---|---|---|
| <p>A. Prophase</p> <p>B. Interphase</p> <p>C. Telophase</p> <p>_____ 18. What phase are daughter cells in as a result of mitosis?</p> <p>_____ 19. During what phase of mitosis do centromeres divide and the chromosomes move toward their respective poles?</p> <p>_____ 20. What is the phase where chromatin condenses to form chromosomes?</p> <p>_____ 21. What is the name of the structure that connects the two chromatids?</p> <p>_____ 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?</p> <p>_____ 24. What structure forms in prophase along which the chromosomes move?</p> | <p>D. Metaphase</p> <p>E. Anaphase</p> <p>F. Centromere</p> | <p>G. Chromatid</p> <p>H. Cytokinesis</p> <p>I. Mitosis</p> | <p>J. Spindle fiber</p> <p>K. Cell plate</p> <p>_____ 25. Which phase of mitosis is the last phase that chromatids are together?</p> <p>_____ 26. Which phase of the cell cycle is characterized by a non-dividing cell?</p> <p>_____ 27. What structure is produced when protein fibers radiate from centrioles?</p> <p>_____ 28. What forms across the center of a cell near the end of telophase?</p> <p>_____ 29. The period of cell growth and development between mitotic divisions?</p> <p>_____ 30. What is the phase where cytokinesis occurs?</p> |
|--|---|---|---|