

THE CELL CYCLE WORKSHEET

Name: _____

Matching: match the term to the description

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

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

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