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.

_____ 2. The nucleolus begins to fade from view.

_____ 3. A new nuclear membrane is forming around the chromosomes.

_____ 4. The cytoplasm of the cell is being divided.

_____ 5. The chromosomes become invisible.

_____ 6. The chromosomes are located at the equator of the cell.

_____ 7. The nuclear membrane begins to fade from view.

_____ 8. The division (cleavage) furrow appears.

_____ 9. The chromosomes are moving towards the poles of the cell.

_____ 10. Chromatids line up along the equator.

_____ 11. The spindle is formed.

_____ 12. Chromosomes are not visible.

_____ 13. Cytokinesis is completed.

_____ 14. The cell plate is completed.

_____ 15. Chromosomes are replicated.

_____ 16. The reverse of prophase.

_____ 17. The organization phase

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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**

_____18. What phase are daughter cells in as a result of mitosis?

_____19. During what phase of mitosis do centromeres divide and the chromosomes move toward their respective poles?

_____20. What is the phase where chromatin condenses to form chromosomes?

_____21. What is the name of the structure that connects the two chromatids?

_____22. In a chromosome pair connected by a centromere, what is each individual chromosome called?

_____23. What are the two parts of cell division?

_____24. What structure forms in prophase along which the chromosomes move?

_____25. Which phase of mitosis is the last phase that chromatids are together?

_____26. Which phase of the cell cycle is characterized by a non-dividing cell?

_____27. What structure is produced when protein fibers radiate from centrioles?

_____28. What forms across the center of a cell near the end of telophase?

_____29. The period of cell growth and development between mitotic divisions?

_____30. What is the phase where cytokinesis occurs?