

**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

**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?