

## MITOSIS WORKSHEET

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

**Matching:** match the term to the description (drag/drop or write the letter)

**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: (drag/drop or write the word) Some will be used more than once.**

- |                      |                      |                       |                         |
|----------------------|----------------------|-----------------------|-------------------------|
| <b>A. Prophase</b>   | <b>D. Metaphase</b>  | <b>G. Chromatid</b>   | <b>J. Spindle fiber</b> |
| <b>B. Interphase</b> | <b>E. Anaphase</b>   | <b>H. Cytokinesis</b> | <b>K. Cell Plate</b>    |
| <b>C. Telophase</b>  | <b>F. Centromere</b> | <b>I. Mitosis</b>     |                         |

- \_\_\_\_\_ 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?