

## MITOSIS WORKSHEET

Matching: match the term to the description

**A. Prophase**   **B. Interphase**   **C. Telophase**   **D. Metaphase**   **E. Anaphase**  
**F. Cytokinesis**

- \_\_\_\_\_ 1. The sister chromatids are moving apart.
- \_\_\_\_\_ 2. A new nuclear membrane is forming around the chromosomes.
- \_\_\_\_\_ 3. The cytoplasm of the cell is being divided.
- \_\_\_\_\_ 4. The chromosomes become invisible.
- \_\_\_\_\_ 5. The chromosomes are located at the equator of the cell.
- \_\_\_\_\_ 6. The nuclear membrane begins to fade from view.
- \_\_\_\_\_ 7. The division (cleavage) furrow appears.
- \_\_\_\_\_ 8. The chromosomes are moving towards the poles of the cell.
- \_\_\_\_\_ 9. Chromatids line up along the equator.
- \_\_\_\_\_ 10. The spindle is formed.
- \_\_\_\_\_ 11. Chromosomes are not visible.
- \_\_\_\_\_ 12. Cytokinesis is completed.
- \_\_\_\_\_ 13. The cell plate is completed.
- \_\_\_\_\_ 14. Chromosomes are replicated.
- \_\_\_\_\_ 15. The reverse of prophase.

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

- |                      |                      |                       |                          |
|----------------------|----------------------|-----------------------|--------------------------|
| <b>A. Prophase</b>   | <b>D. Metaphase</b>  | <b>G. Chromatid</b>   | <b>J. Spindle fibers</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>     |                          |

- \_\_\_\_\_ 16 What phase are daughter cells in as a result of mitosis?
- \_\_\_\_\_ 17 During what phase of mitosis do centromeres divide and the chromosomes move toward their respective poles?
- \_\_\_\_\_ 18 What is the phase where chromatin condenses to form chromosomes?
- \_\_\_\_\_ 19 What is the name of the structure that connects the two chromatids?
- \_\_\_\_\_ 20 In a chromosome pair connected by a centromere, what is each individual chromosome called?
- \_\_\_\_\_ 21 What are the two parts of cell division? (two letters)
- \_\_\_\_\_ 22 What structure forms in prophase along which the chromosomes move?
- \_\_\_\_\_ 23 Which phase of mitosis is the last phase that chromatids are together?
- \_\_\_\_\_ 24 Which phase of the cell cycle is characterized by a non-dividing cell?
- \_\_\_\_\_ 25 What structure is produced when protein fibers radiate from Centrioles?
- \_\_\_\_\_ 26 What forms across the center of a cell near the end of telophase?
- \_\_\_\_\_ 27 The period of cell growth and development between mitotic divisions?
- \_\_\_\_\_ 28 What is the phase where cytokinesis occurs?