

MITOSIS WORKSHEET

Name: \_\_\_\_\_ **Answer Key**

Matching: Match the phase of the cellular life cycle to the description and write the correct word. Some will be used more than once.

Interphase    Prophase    Metaphase    Anaphase    Telophase    Cytokinesis

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

**Short Answer: Write the correct word for each question. Some will be used more than once.**

Interphase    Prophase    Metaphase    Anaphase    Telophase    Cytokinesis  
Chromatid    Spindle Fiber    Cell Plate    Centromere    Mitosis

- Interphase \_\_\_\_\_ 18. What phase are daughter cells in as a result of mitosis?  
Anaphase \_\_\_\_\_ 19. During what phase of mitosis do centromeres divide and the chromosomes move toward their respective poles?  
Prophase \_\_\_\_\_ 20. What is the phase where chromatin condenses to form chromosomes?  
Centromere \_\_\_\_\_ 21. What is the name of the structure that connects the two chromatids?  
Sister Chromatid \_\_\_\_\_ 22. In a chromosome pair connected by a centromere, what is each individual chromosome called?