

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?