

MITOSIS WORKSHEETName: Amrit Kaur

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 Centrioles 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?
 Centrioles _____ 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?