

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.

A. Prophase

D. Metaphase

G. Chromatid

J. Spindle fiber

B. Interphase

E. Anaphase

H. Cytokinesis

K. Cell Plate

C. Telophase

F. Centromere

I. Mitosis

- _____ 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?