

The Cell Cycle Worksheet:**Names:** _____**Matching:** Match the term to the description.

A. Interphase B. Prophase C. Metaphase D. Anaphase E. Telophase

_____ 1. The sister chromatids are moving apart.

_____ 2. The nucleus begins to fade from view.

_____ 3. A new nuclear membrane is forming

_____ 4. The cell membrane begins to pinch in.

_____ 5. The chromosomes decondense.

_____ 6. The chromosomes are located at the equator.

_____ 7. The nuclear membrane begins to fade from view.

_____ 8. The chromosomes move towards the poles of the cell.

_____ 9. Sister chromatids line up along the equator.

_____ 10. The division of cell membrane appears

_____ 11. The spindle is formed.

_____ 12. Chromosomes are not visible.

_____ 13. Chromosomes are replicated.

_____ 14. The reverse of prophase.

Fill in the blank: Match the word to the question or description. Some will be used more than once.

A. Prophase	B. Interphase	C. Telophase	D. Metaphase	E. Anaphase
F. Centromere	G. Chromatid	H. Cytokinesis	I. Mitosis	J. Spindle

_____ 15. During what phase are daughter cells created?

_____ 16. During what phase of mitosis do centromeres divide and the chromosomes move toward their respective poles?

_____ 17. What is the phase where chromatin condenses to form chromosomes?

_____ 18. What is the name of the structure that connects the two sister chromatids?

_____ 19. In a chromosome pair connected by a centromere, what is each individual chromosome called?

_____ 20. What structure forms in prophase along which the chromosomes move?

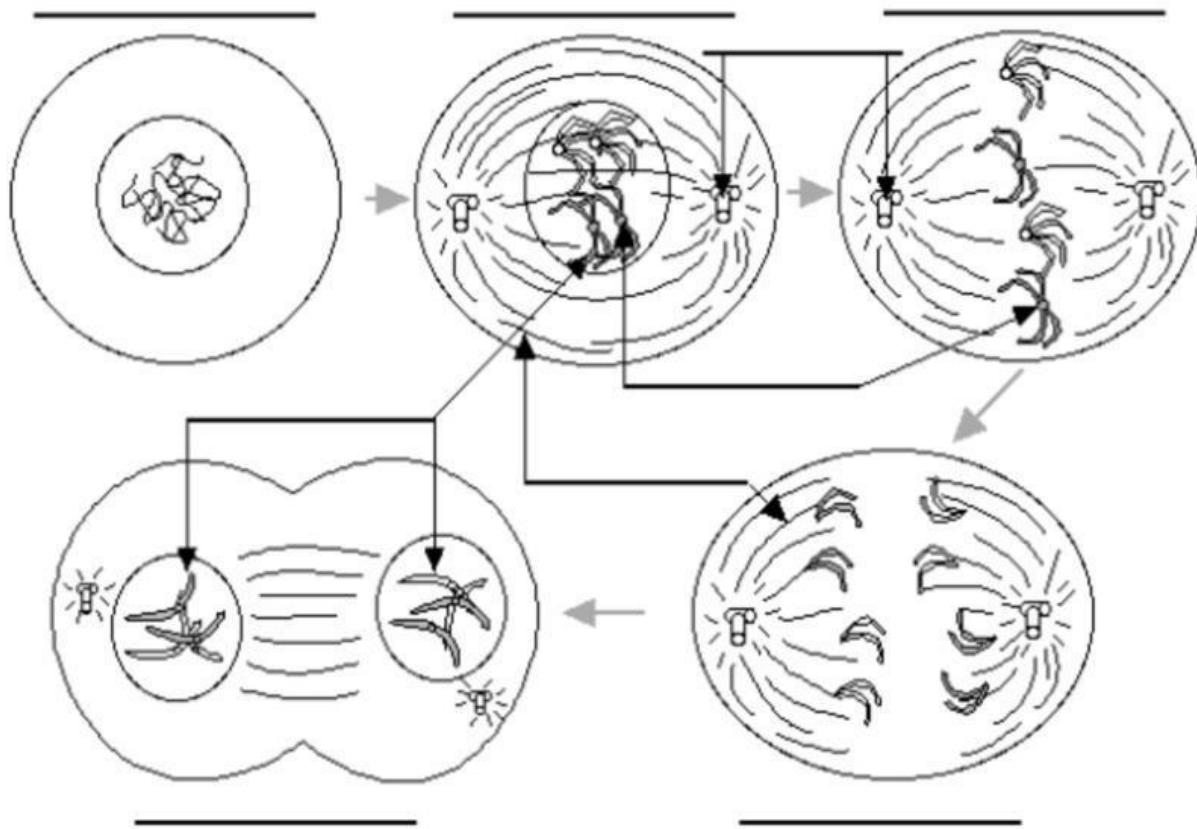
_____ 21. Which phase of mitosis is the last phase that sister chromatids are together?

_____ 22. What structure is produced when protein fibers radiate from centrioles?

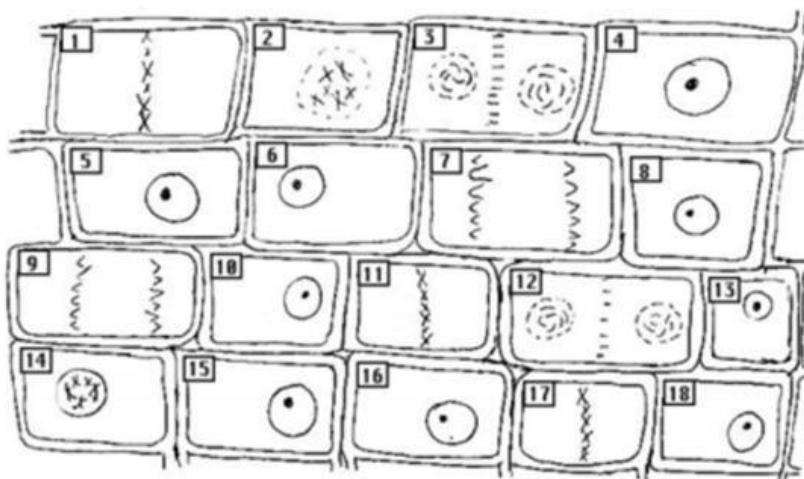
_____ 23. The period of cell growth?

_____ 24. In what phase does DNA replicate?

25. Label the following images of cell cycle. (The stage and components)



26. The drawing below illustrates the cells in a fast-growing onion tip.



Identify the cells (by number) which are in the following stages of the cell cycle:

Interphase _____

Prophase _____

Metaphase _____

Anaphase _____

Telophase _____