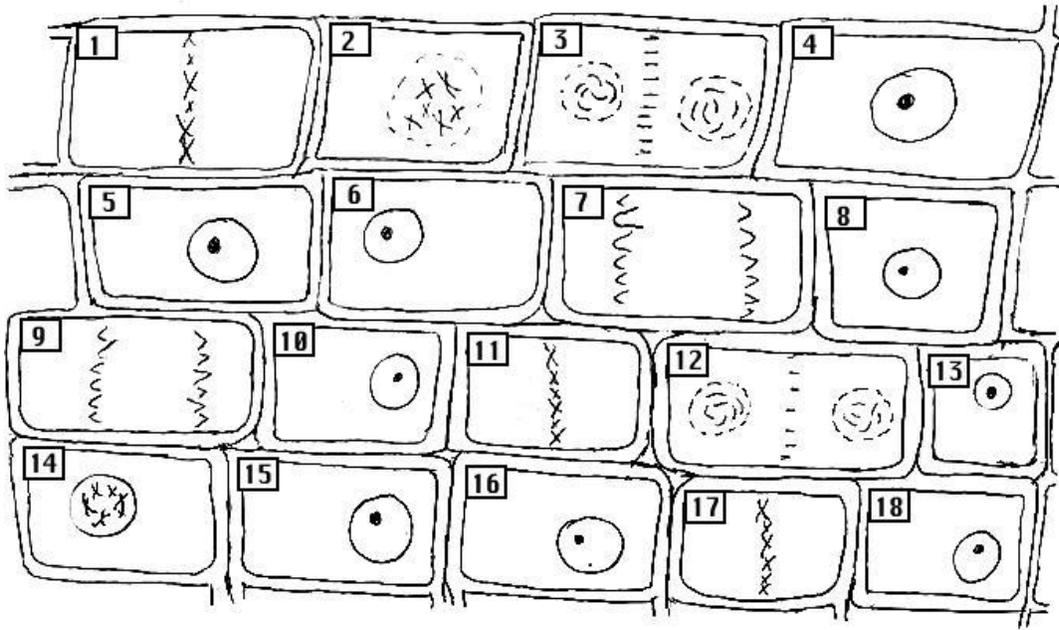


Identify which stage of mitosis or if the cell is in interphase

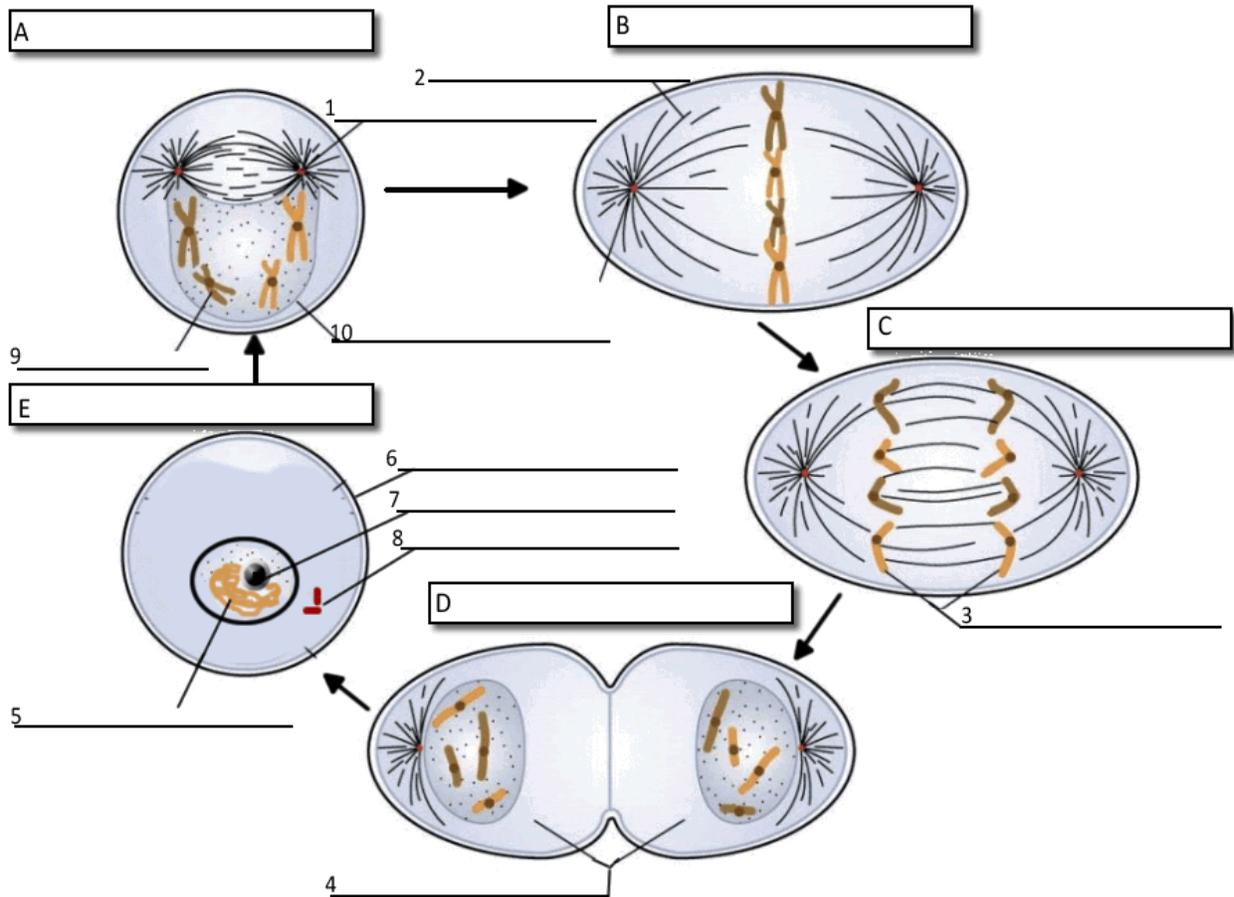


- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____
- 11. _____
- 12. _____
- 13. _____
- 14. _____
- 15. _____
- 16. _____
- 17. _____
- 18. _____

Math Problems

19. What percentage of the cells are in interphase? _____

20. What percentage of the cells are in metaphase? _____



11. What moves the chromatids during mitosis?

12. What anchors the spindle?

13. What are the four phases of mitosis?

14. How many daughter cells are created from mitosis and cytokinesis? _

15. During what phase does cytokinesis begin?

16. If a human cell has 46 chromosomes, how many chromosomes will be in each daughter cell?

17. If a dog cell has 72 chromosomes, how many daughter cells will be created during a single cell cycle?

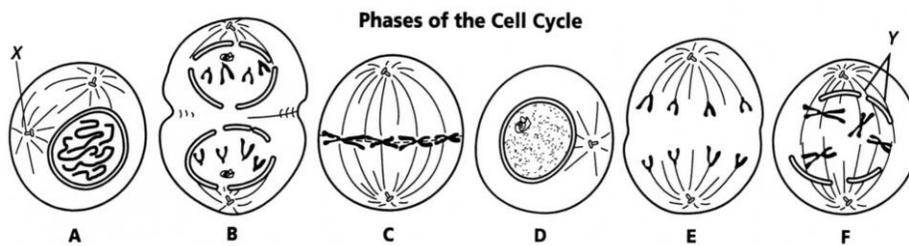
.....Each of these daughter cells will have how many chromosomes?

18. The nuclear membrane dissolves during what phase?

19. In the cell pictured above, how many chromosomes are present during prophase?

20. What structure holds the individual chromatids together?

The following are not in the correct order. Please answer the questions below.



21 Which cell is in metaphase? _____

22. Cells A and F show an early and late stage of the same phase of mitosis. What phase is it? _____

23. In cell A, what is the structure labeled X? _____

24. In cell F, what is the structure labeled Y? _____

25. Which cell is not in a phase of mitosis? _____

26. What two main changes are taking place in cell B? _____

27. Sequence the six diagrams in order from first to last. _____

28. What is the end product of mitosis? _____

29. What is the main difference between cytokinesis in plants and animals? _____

