

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 78 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? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_