CELL CYCLE ..................................................................................Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_