

Name \_\_\_\_\_

### Mitosis Review Sheet

1. Name the two phases of the cell cycle.
2. How many phases are there in mitosis?
3. Name the phases of mitosis in order from the beginning to the end of cell division.
4. The division of the body cells during the cell cycle is called \_\_\_\_?
5. The period of cell growth during the cell cycle is called \_\_\_\_?
6. What are autosomes and somatic cells?
7. How many daughter cells are produced at the end of mitosis?
8. Which phase of the cell cycle is the busiest?
9. Which phase of mitosis is the longest?
10. During which phase of mitosis does cytokinesis occur?
11. What is cytokinesis?
12. What happens to the cytoplasm of an animal cell just before cytokinesis?
13. Name the barrier in plant cells that forms between the two new daughter cells just before cytokinesis?
14. During which phase of the cell cycle are DNA and centrioles of animal cells replicated?
15. What are the thin, tangled strands of DNA called that are present during interphase?
16. During which phase of mitosis do the chromosomes line up in the middle of the cell?
17. During which phase of mitosis do the chromosomes first become visible?
18. During which phase of mitosis do the centrioles begin to move to opposite poles?
19. During which phase of mitosis do the nucleolus and nuclear membrane disappear?
20. During which phase of mitosis do the spindle fibers begin to form?
21. What structure attaches the chromosomes to the spindle fibers during metaphase?
22. A cell with a full set of chromosomes is said to be \_\_\_\_?
23. What is one-half of a chromosome called?
24. During which phase of mitosis are the sister chromatids pulled apart?
25. What are sister chromatids?
26. A segment of DNA found on a chromosome is called a \_\_\_\_?
27. What cell part do animal cells use during the cell cycle that plant cells do not have?
28. Why do cells go through the cell cycle?
29. During which phase of mitosis do the spindle fibers begin to shorten?
30. What cell parts reappear during telophase?
31. Why must cells be small in size?
32. Making a copy of DNA is called \_\_\_\_\_.