

Name \_\_\_\_\_

CP Biology

Cellular Reproduction Review Sheet

1. Describe Pasteur's experiment.
2. Describe Redi's experiment.
3. What theory did Redi and Pasteur help disprove?
4. Explain the difference between biogenesis and spontaneous generation.
5. What does DNA stand for? What does DNA do?
6. What is the difference between chromatin and chromosomes?
7. What are sister chromatids?
8. What are homologous chromosomes?
9. Most cells in our bodies reproduce by this process.
10. What are the three stages of interphase? Explain what happens in each.
11. On a separate piece of paper, diagram and explain what happens in each phase of mitosis.
12. What happens in cytokinesis?
13. How is cytokinesis different in plant cells and animal cells?

14. Explain how the cell cycle is regulated.
15. In what phase do cells spend most of their time?
16. How do prokaryotic cells reproduce?
17. The process by which a sperm cell and egg cell reproduce is called \_\_\_\_\_ . The resulting cell is called a \_\_\_\_\_ .
18. What are gametes?
19. By what process are gametes formed?
20. What is meant by the term haploid? What is meant by the term diploid?
21. What cells in our bodies are diploid? What cells in our bodies are haploid?
22. In meiosis there are \_\_\_\_\_ cell divisions.
23. On a separate piece of paper, diagram and explain what happens in each phase of meiosis.
24. How are spermatogenesis and oogenesis different?
25. Why is meiosis so important?
26. Name two ways in which meiosis helps create variation within a species.
27. Describe three ways in which mitosis and meiosis are different.