Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_

Cell Reproduction Review – Ch. 9, Section 10-1

1. Why do cells have to stay small?

2. What is the purpose of mitosis, meiosis, & cytokinesis?

3. What events take place during each stage of mitosis, meiosis I, & meiosis II?

4. What are the steps of interphase and what happens in each?

5. Label the parts of a chromosome.

6. How does cytokinesis occur in animal cells? Plant cells?

7. How do gametes compare to other body cells?

8. Compare and contrast spermatogenesis and oogenesis.

9. How is the cell cycle normally regulated?

10. What is cancer and what causes it?

11. What are stem cells and why are they so valuable and controversial?

12. What are the benefits and drawbacks of sexual and asexual reproduction?

13. How do the end results of mitosis and meiosis differ?

14. What is apoptosis and why do organisms use it?

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