Sci 9 Cell Cycle and Asexual Reproduction Practice Test Name:

1. List three reasons cells divide.
2. If a cell divides ONCE a day for 3 days, how many cells would you have (starting with one cell on day 0).
3. Cell cycle is divided into how many phases? List them.
4. What percent of time does a cell spend in interphase?
5. Draw and image of Metaphase. Label chromosomes, centrioles, spindle fibers, cell membrane Describe what’s happening to the chromosomes.
6. If a cell just enters anaphase, what phase did it just finish?
7. What is the end result of Mitosis?
8. What is cytokinesis? When does it start?
9. Describe the difference between animal cells and plant cell cytokinesis.
10. How many stages are there in mitosis? List them in order.
11. What is the name of the ability to replace lost limbs or other body parts?
12. Explain what fragmentation is. Name an organism that can reproduce via fragmentation.
13. What organisms reproduce through binary fission?
14. Compare mitosis to binary fission. How are they different? How are they the same?
15. What is the difference between budding and fragmentation?
16. What organism uses budding to reproduce?
17. Star fish were eating all the oysters in an oyster farm so the workers would catch the star fish, tear them in half and throw them back. Why is this not a good idea?