**THE LAST Biology Review Sheet-for the FINAL!!!!!**

Due on the day of your Biology final:

**1st period: Friday, May 19th**

**2nd period: Monday, May 22nd**

**4th & 6th periods: Thursday, May 25th**

1. Why do species go extinct if their environment changes?
2. Describe secondary succession.
3. When something eats plants only it is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. What is a hypothesis?
5. Why are hypotheses needed in an experiment?
6. Which would you expect a greater number of in a food web: autotrophs, primary consumers, or secondary consumers?
7. What is the difference between a population and an ecosystem?
8. What type of energy do consumers get from producers?
9. Identify the function of:
   1. Mitochondria
   2. Ribosomes
   3. Nucleus
   4. Cell membrane
   5. Cytoplasm
   6. Vacuole
   7. chloroplasts
10. What is the difference between natural selection and selective breeding (artificial selection)?
11. Why can using antibacterial soap be bad?
12. On a cladogram, which species are the most related to one another?
13. What is a dependent variable?
14. What is the purpose of repeating an experiment?
15. What does selectively permeable mean?
16. What is the mechanism of evolution?
17. What are chromosomes made of?
18. What could humans do to decrease the amount of carbon dioxide in the atmosphere?
19. What could humans do to increase the amount of oxygen in the atmosphere?
20. Name three things that are used to provide evidence for evolution.
21. What process creates gametes?
22. How do 2 different types of cells do different jobs?
23. What type of mutation is caused when one nitrogenous base is changed to a different nitrogenous base?
24. Where does a mutation have to be in order to be passed on to offspring?
25. The function of an enzyme is determined by its:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
26. What type of reproduction is occurring when one cell divides into two cells?
27. A gamete has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the number of chromosomes that a body cell has.
28. Why is ultraviolet radiation bad for living organisms?
29. What two processes are involved with the levels of oxygen in the atmosphere?
30. If a DNA sequence is: AAT CGG, what is the complementary mRNA sequence?
31. How do you number the axes in a graph?
32. Why is an experimental control important?