BIO 1 A Midterm Study Guide

1. T or F a Theory can be revised or replaced
2. What is an inference?
3. What are some of the organ systems of the body? What functions would they perform?
4. What are the characteristics of living things?
5. Show an example of the following genotypes: homozygous dominant, homozygous recessive, heterozygous
6. Speciation –
7. Homeostasis –
8. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ group in an experiment is the group that receives the test or treatment
9. Incomplete Dominance Co-dominance Multiple alleles Polygenic traits
10. The genetic makeup of an organism is called its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
11. What is the **founder** **effect**?
12. How is **artificial** selection different than **natural** selection?
13. A part of DNA that codes for a trait is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
14. Alleles –
15. A change in the sequence of DNA is called a mutation/reversal
16. What are the types of data? Be able to read a graph
17. According to the theory of natural \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the individuals that tend to survive are those that are best suited to the environment.
18. T or F The development and breeding of dogs is a great example of natural selection
19. T or F When black peppered moths becoming prevalent during the industrial revolution is a great example of natural selection.
20. Behavioral Isolation Geographic Isolation Reproductive (temporal) isolation
21. What is a hypothesis? What are some good characteristics of a good hypothesis? Be able to pick one out
22. What is SURFACE AREA, and what do ALVEOLI have to do with it?
23. Who was responsible for most of our understanding of evolution?
24. Be able to complete a Punnett square, read a Punnett square, and complete a question like the following: A woman with a rolling tongue (Tt) has a child with a man with a straight tongue (tt). What are the chances the child has the recessive trait?
25. What does “survival of the fittest” mean?