

Name: _____ Date: _____

Theory of Natural Selection

1. What is the process that results in the adaptation of an organism to its environment by means of selectively reproducing changes in its genotype?
A. Sexual selection
2. What is the process by which an animal or plant species becomes fitted to its environment?
B. allele
3. What is the genetic constitution of an organism?
C. population
4. What tends to remain constant from generation to generation when disturbing factors are not present?
D. Gene frequencies
5. What is an alteration in the genetic material of a cell of a living organism or of a virus called?
E. Adaptation
6. What is the introduction of genetic material from one population of a species to another?
F. genetic drift
7. What is the whole number of inhabitant occupying an area and continually being modified by increases and losses called?
G. homozygote
8. What is a change in the gene pool of a small population that takes place strictly by chance, also called genetic sampling error?
H. codominant allele
9. What is any one of two or more genes that may occur alternatively at a given site on a chromosome?
I. Genotype
10. What is an organism with identical pairs of genes (or alleles) for a specific trait called?
J. gene flow
11. What is an allele that acts neither as a dominant or recessive allele called?
K. mutation
12. What is the theory presented by Darwin that says the evolution of certain conspicuous physical traits in animals may grant the possessors of these traits greater success in obtaining mates?
L. Natural selection