

Name: \_\_\_\_\_ Date: \_\_\_\_\_

# CH 4 Vocabulary Quiz

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| 1. Heritable trait giving an individual advantage over other individuals in population                     | A. Biodiversity           |
| 2. Selection of desirable genetic trait in population; selective breeding used to enhance trait            | B. Reproductive Isolation |
| 3. Variety of life on Earth  | C. Species Diversity      |
| 4. Process by which species change genetically over time   | D. Biological Evolution   |
| 5. Complete disappearance of a species from Earth  | E. Functional Diversity   |
| 6. Geographical area composed of different ecosystems; characterized by distinct climate & certain species | F. Adaptation             |
| 7. Role that species plays in ecosystem; everything that effects its survival & reproduction               | G. Nonnative Species      |
| 8. Earth's diverse biological communities: deserts grasslands forests lakes rivers wetlands                | H. Genetic Variability    |
| 9. Species found in only one area & vulnerable to extinction   | I. Native Species         |
| 10. Preserved remains/traces of prehistoric organisms  | J. Biological Extinction  |
| 11. Variety of processes that occur with ecosystems  | K. Artificial Selection   |
| 12. Variety of genes found in a population or in a species   | L. Speciation             |
| 13. Scientific manipulation of genes; selecting for desirable traits & eliminating unwanted                | M. Indicator Species      |
| 14. Variety in genetic makeup of individuals in population   | N. Ecosystem Diversity    |
| 15. Separation of population of species into different areas   | O. Genetic Diversity      |
| 16. Area that provides abiotic & biotic factors species needs to survive                                   | P. Habitat                |
| 17. Species whose presence/absence indicates quality of environment  | Q. Ecological Niche       |
| 18. Species that preserves an ecosystem by controlling populations of prey animals                         | R. Genetic Engineering    |
| 19. Permanent change in DNA sequence within a gene in any cell   | S. Endemic Species        |

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| 20. Species that naturally originated in given ecosystem & have become suited to live there      | T. Mutation             |
| 21. Individuals with certain traits more likely to survive & reproduce                           | U. Fossil               |
| 22. Species that migrate into ecosystem or introduced deliberately/accidentally by humans        | V. Geographic Isolation |
| 23. Halt in exchange of genes due to separation of populations; becoming distinct                | W. Biome                |
| 24. Formation of new species from a branch of an existing species through reproductive isolation | X. Keystone Species     |
| 25. Variety of species present in specific ecosystem & their abundance within that ecosystem     | Y. Natural Selection    |