BIODIVERSITY

I. **Directions:** Match the statement with the correct concept being discussed. Write the correct letter of the answer only.

____1. Refers to variation of species on Earth. ____2. Refers to the variation in the hereditary characteristics among different species ____3. Refers to the various communities of organisms ____4. Part of biodiversity ____5. Includes the variation in the habitat of a species ____6. The same species can exhibit different characteristics (ex. Different breeds of dogs)	***Choices for numbers 1-6:*** **A. Genetic diversity** **B. Species diversity** **C. Ecosystem diversity** **D. All of the above**

____7. Education and research ____8. Cultural heritage ____9. Food ____10. Protection of water resources ____11. Maintenance of ecosystems ____12. Can benefit mankind in one way or another	***Choices for numbers 7-10:*** **A. Ecological services** **B. Natural resources** **C. Social benefits** **D. All of the above**

____13. Throwing trash into Manila Bay	***Choices for numbers 13-17:***

____14. Practice of *kaingin* (burning down trees) ____15. Converting land for agriculture or housing project ____16. Buying pangolins to use their scales as traditional medicine ____17. The janitor fish found in Marikina River is not supposed to be there	**A. Destruction of habitat** **B. Pollution** **C. Wildlife poaching and illegal trade** **D. Introduction of invasive species** **E. All of the above**

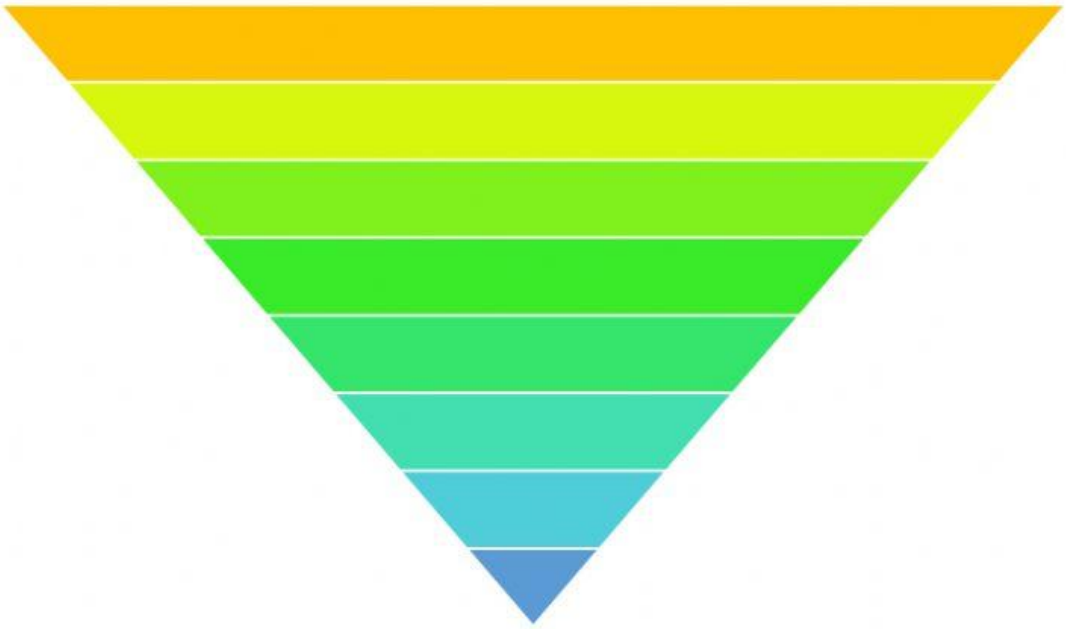
____18. Prokaryotic ____19. Where plants and animals are classified ____20. Organisms with membrane-bound nucleus ____21. Ancient bacteria ____22. True bacteria	***Choices for numbers 18-22:*** **A. Domain Archaea** **B. Domain Eubacteria** **C. All of the above** **D. None of the above**

____23. Can live in extreme environments ____24. Cell wall made of peptidoglycan ____25. Can live in environments with high salt concentrations ____26. Found in neutral environments ____27. Multicellular organisms with membrane-bound nucleus	***Choices for numbers 23-27:*** **A. Domain Archaea** **B. Domain Eubacteria** **C. Domain Eukarya** **D. All of the above**

____28. Animal-like and plant-like organisms	***Choices for numbers 28-31:***
____29. Yeasts, molds, mushrooms	**A. Kingdom Animalia**
____30. Can photosynthesize	**B. Kingdom Protista**
____31. Vertebrates and invertebrates	**C. Kingdom Fungi**
	D. Kingdom Plantae

II. Directions: Arrange the taxonomic classification from **general** (topmost layer of the triangle) to **specific** (lowermost layer of the triangle).

kingdom class family order genus domain species phylum



III. ESSAY:

b. Why is biodiversity important? Minimum of 5 sentences.

a. Choose from the different threats that affect biodiversity here in the Philippines. How can you help address these threats that endanger our biodiversity? Minimum of 5 sentences.