

## 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

\_\_\_29. Yeasts, molds, mushrooms

\_\_\_30. Can photosynthesize

\_\_\_31. Vertebrates and invertebrates

**Choices for numbers 28-31:**

A. Kingdom Animalia

B. Kingdom Protista

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

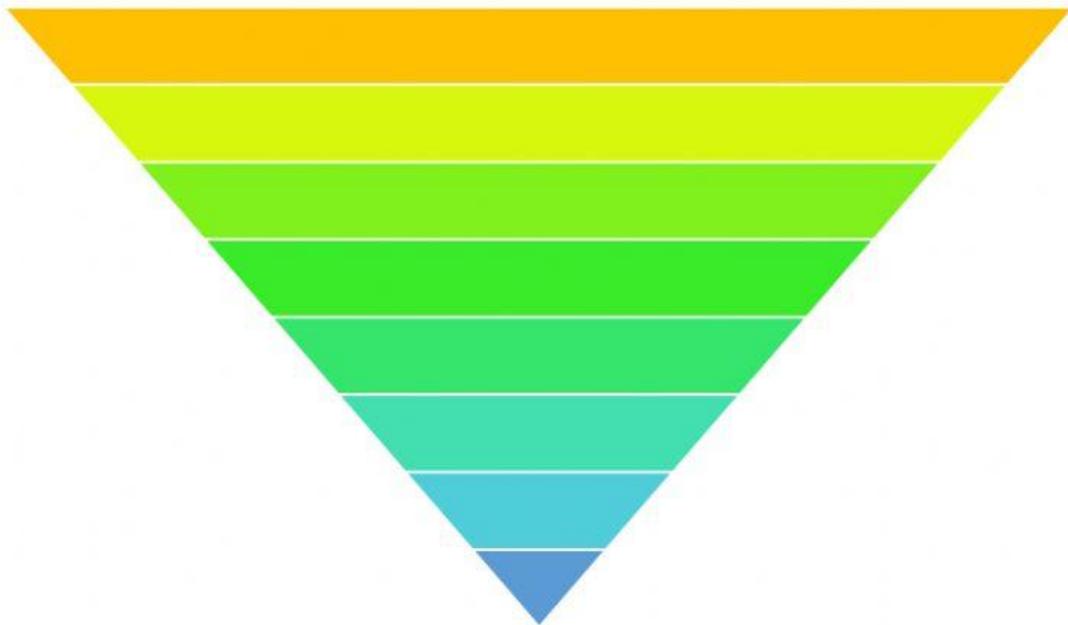
order

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.