

Concept Review

MATCHING

In the space provided, write the letter of the term or phrase that best matches the description.

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| _____ 1. a species that is not native to a particular region | a. keystone species |
| _____ 2. any species that is likely to become endangered if it is not protected | b. exotic species |
| _____ 3. species that are very important to the functioning of an ecosystem | c. extinct species |
| _____ 4. any species whose numbers have fallen so low that it is likely to become extinct in the near future | d. endangered species |
| _____ 5. a species when the very last individual dies | e. threatened species |
| _____ 6. most unknown species belong to this group | f. sustainable land use |
| _____ 7. growing crops among native plants instead of on cleared land | g. vertebrates |
| _____ 8. humans and familiar animals belong to this group | h. habitat conservation plan |
| _____ 9. designed to protect groups of animal species by managing lands in a protected area | i. insects |
| _____ 10. critical ecosystems with high species diversity | j. fungi |
| _____ 11. many antibiotics are derived from chemicals that come from this group | k. biodiversity hotspot |

Concept Review *continued*

MULTIPLE CHOICE

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

- _____ 12. Members of a population may be prone to inherited genetic diseases if
- a. the level of genetic diversity of the population is high.
 - b. inbreeding takes place frequently within the population.
 - c. a variety of habitats are available to the population.
 - d. interaction between populations takes place in an ecosystem.
- _____ 13. The human diet has been enriched with native food products such as sweet potatoes, beans, tomatoes, and corn that come from
- a. Pacific islands.
 - b. Southwest Asia.
 - c. Madagascar and Africa.
 - d. Central and South America.
- _____ 14. What level of biodiversity is most commonly equated with the overall concept of biodiversity?
- a. genetic diversity
 - b. species diversity
 - c. ecosystem diversity
 - d. all of the above
- _____ 15. What groups of organisms are most in danger of extinction?
- a. those with small populations
 - b. those that migrate or need special habitats
 - c. those with large populations that breed quickly
 - d. both (a) and (b)
- _____ 16. Which of the following is not one of the ways in which coral reefs are threatened by human activities?
- a. development along waterways
 - b. creation of artificial reefs
 - c. overharvesting of fish
 - d. pollution
- _____ 17. How does preserving biodiversity come into conflict with human interests?
- a. Additional land is used for agriculture or housing in response to population growth.
 - b. Species may represent food or a source of income.
 - c. both (a) and (b)
 - d. none of the above
- _____ 18. Which of the following is *not* a provision of the Endangered Species Act?
- a. No products from endangered or threatened species may be sold.
 - b. Protected plants may be uprooted.
 - c. Government projects may not further endanger endangered species.
 - d. A species recovery plan must be created.