

Skills Worksheet

# Concept Review

## MATCHING

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

- |  |                                     |
|--|-------------------------------------|
| _____ 1. a species that is not native to a particular region   | <b>a.</b> keystone species          |
| _____ 2. any species that is likely to become endangered if it is not protected                              | <b>b.</b> exotic species            |
| _____ 3. species that are very important to the functioning of an ecosystem                                  | <b>c.</b> extinct species           |
| _____ 4. any species whose numbers have fallen so low that it is likely to become extinct in the near future | <b>d.</b> endangered species        |
| _____ 5. a species when the very last individual dies  | <b>e.</b> threatened species        |
| _____ 6. most unknown species belong to this group   | <b>f.</b> sustainable land use      |
| _____ 7. growing crops among native plants instead of on cleared land  | <b>g.</b> vertebrates               |
| _____ 8. humans and familiar animals belong to this group  | <b>h.</b> habitat conservation plan |
| _____ 9. designed to protect groups of animal species by managing lands in a protected area                  | <b>i.</b> insects                   |
| _____ 10. critical ecosystems with high species diversity  | <b>j.</b> fungi                     |
| _____ 11. many antibiotics are derived from chemicals that come from this group                              | <b>k.</b> 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
- the level of genetic diversity of the population is high.
  - inbreeding takes place frequently within the population.
  - a variety of habitats are available to the population.
  - 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
- Pacific islands.
  - Southwest Asia.
  - Madagascar and Africa.
  - Central and South America.
- \_\_\_\_\_ 14. What level of biodiversity is most commonly equated with the overall concept of biodiversity?
- genetic diversity
  - species diversity
  - ecosystem diversity
  - all of the above
- \_\_\_\_\_ 15. What groups of organisms are most in danger of extinction?
- those with small populations
  - those that migrate or need special habitats
  - those with large populations that breed quickly
  - both (a) and (b)
- \_\_\_\_\_ 16. Which of the following is not one of the ways in which coral reefs are threatened by human activities?
- development along waterways
  - creation of artificial reefs
  - overharvesting of fish
  - pollution
- \_\_\_\_\_ 17. How does preserving biodiversity come into conflict with human interests?
- Additional land is used for agriculture or housing in response to population growth.
  - Species may represent food or a source of income.
  - both (a) and (b)
  - none of the above
- \_\_\_\_\_ 18. Which of the following is *not* a provision of the Endangered Species Act?
- No products from endangered or threatened species may be sold.
  - Protected plants may be uprooted.
  - Government projects may not further endanger endangered species.
  - A species recovery plan must be created.