

Skills Worksheet

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. two types of consumers | a. photosynthesis |
| _____ 2. a diagram showing the many feeding relationships that are in an ecosystem | b. rabbit and coyote |
| _____ 3. the process in which energy from the sun is used by plants to make sugar molecules | c. fossil fuels |
| _____ 4. illustrates the loss of energy from one trophic level to the next | d. producers |
| _____ 5. organisms that get their energy by eating other organisms | e. food web |
| _____ 6. stored carbon from the remains of plants and animals that died millions of years ago | f. consumers |
| _____ 7. organisms that make their own food | g. atmospheric CO ₂ |
| _____ 8. change that occurs on an abandoned farm | h. energy pyramid |
| _____ 9. a part of the carbon cycle | i. algal bloom |
| _____ 10. results from excessive use of fertilizers | j. atmospheric N ₂ |
| _____ 11. organisms that transform atmospheric nitrogen into usable nitrogen compounds | k. food chain |
| _____ 12. part of the nitrogen cycle | l. old-field succession |
| _____ 13. transfer of energy from one organism to another | m. nitrogen-fixing bacteria |

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.

- _____ **14.** What are the first organisms to colonize any newly available area called?
a. climax species
b. ferns
c. pioneer species
d. mosses
- _____ **15.** Which of the following is a producer that breaks down rock?
a. pioneer producer
b. fungal species
c. algae
d. lichen
- _____ **16.** Humans are affecting the balance of the carbon cycle by
a. burning fossil fuels.
b. using carbonates at an alarming rate.
c. using fertilizers.
d. replanting the rain forests.
- _____ **17.** What is a pattern of change that occurs on a surface where an ecosystem has previously existed?
a. primary succession
b. secondary succession
c. tertiary succession
d. climax community
- _____ **18.** What do deep-ocean bacteria use to make their food?
a. the sun
b. hydrogen sulfide
c. carbon dioxide
d. sugar molecules
- _____ **19.** Which of the following is an herbivore?
a. cow
b. lion
c. bear
d. grass
- _____ **20.** Which of the following is a producer?
a. oak tree
b. raccoon
c. cockroach
d. human
- _____ **21.** Which of the following is a process in the cell whereby glucose and oxygen produce carbon dioxide, water, and energy?
a. photosynthesis
b. cellular respiration
c. synthesis
d. decomposition
- _____ **22.** Which of the following organisms would be found at the top of an energy pyramid?
a. alga
b. krill
c. leopard seal
d. killer whale
- _____ **23.** Humans usually get the phosphorus that their bodies need from
a. eating plants and animals that contain phosphorus.
b. mining.
c. food additives.
d. drinking water.