DELAWARE BIOLOGY · UNIT 4 · 25 QUESTIONS

Ecology and Ecosystems — Practice Test

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1 **Which term is defined as follows: a community of organisms plus its nonliving environment?**

- A ecosystem
- B producer
- C consumer
- D decomposer

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2 **Which of the following is an example of ecosystem?**

- A a green plant making sugar
- B a pond with its fish, plants, water, and soil
- C a rabbit eating grass
- D a fungus rotting a log

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3 **Which statement best describes ecosystem?**

A producers form the base of most food chains

B consumers obtain energy by eating producers or other consumers

C an ecosystem includes both biotic and abiotic factors

D decomposers return nutrients to the soil

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4 **Which term is defined as follows: an organism that makes its own food?**

A ecosystem

B producer

C consumer

D decomposer

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5 **Which of the following is an example of producer?**

A a pond with its fish, plants, water, and soil

B a rabbit eating grass

C a green plant making sugar

D a fungus rotting a log

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6 **Which statement best describes producer?**

A an ecosystem includes both biotic and abiotic factors

B consumers obtain energy by eating producers or other consumers

C decomposers return nutrients to the soil

D producers form the base of most food chains

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7 **Which term is defined as follows: an organism that eats other organisms?**

A ecosystem

B producer

C consumer

D decomposer

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8 **Which of the following is an example of consumer?**

A a pond with its fish, plants, water, and soil

B a green plant making sugar

C a fungus rotting a log

D a rabbit eating grass

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9 **Which statement best describes consumer?**

A consumers obtain energy by eating producers or other consumers

B an ecosystem includes both biotic and abiotic factors

C producers form the base of most food chains

D decomposers return nutrients to the soil

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10 **Which term is defined as follows: an organism that breaks down dead material?**

A ecosystem

B producer

C consumer

D decomposer

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11 **Which of the following is an example of decomposer?**

- A a fungus rotting a log
- B a pond with its fish, plants, water, and soil
- C a green plant making sugar
- D a rabbit eating grass

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12 **Which statement best describes decomposer?**

- A an ecosystem includes both biotic and abiotic factors
- B decomposers return nutrients to the soil
- C producers form the base of most food chains
- D consumers obtain energy by eating producers or other consumers

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13 **Which term is defined as follows: a sequence showing energy flow through feeding?**

A food chain

B ecosystem

C producer

D consumer

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14 **Which of the following is an example of food chain?**

A a pond with its fish, plants, water, and soil

B grass to rabbit to fox

C a green plant making sugar

D a rabbit eating grass

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15 **Which statement best describes food chain?**

A an ecosystem includes both biotic and abiotic factors

B producers form the base of most food chains

C a food chain traces energy from producers upward

D consumers obtain energy by eating producers or other consumers

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16 **Which term is defined as follows: a network of connected food chains?**

A ecosystem

B food web

C producer

D consumer

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17 **Which of the following is an example of food web?**

A a pond with its fish, plants, water, and soil

B a green plant making sugar

C many feeding links in a meadow

D a rabbit eating grass

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18 **Which statement best describes food web?**

A an ecosystem includes both biotic and abiotic factors

B producers form the base of most food chains

C consumers obtain energy by eating producers or other consumers

D a food web shows that most organisms eat more than one thing

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19 **Which term is defined as follows: all individuals of one species in an area?**

A ecosystem

B producer

C population

D consumer

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20 **Which of the following is an example of population?**

A a pond with its fish, plants, water, and soil

B a green plant making sugar

C a rabbit eating grass

D all the deer in a forest

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21 **Which statement best describes population?**

A a population is one species in one place at one time

B an ecosystem includes both biotic and abiotic factors

C producers form the base of most food chains

D consumers obtain energy by eating producers or other consumers

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22 **Which term is defined as follows: all populations living together in an area?**

A ecosystem

B producer

C consumer

D community

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23 **Which of the following is an example of community?**

- A all the plants and animals in a pond
- B a pond with its fish, plants, water, and soil
- C a green plant making sugar
- D a rabbit eating grass

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24 **Which statement best describes community?**

- A an ecosystem includes both biotic and abiotic factors
- B a community includes many species interacting
- C producers form the base of most food chains
- D consumers obtain energy by eating producers or other consumers

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25 **Which term is defined as follows: the largest population an environment can support over time?**

A carrying capacity

B ecosystem

C producer

D consumer

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ANSWER KEY

1. A
2. B
3. C
4. B
5. C
6. D
7. C
8. D
9. A
10. D
11. A
12. B
13. A
14. B
15. C
16. B
17. C
18. D
19. C
20. D
21. A
22. D
23. A
24. B
25. A

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