CONNECTICUT BIOLOGY · UNIT 4 · 25 QUESTIONS

Ecology and Ecosystems — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Which term matches this description: a community of organisms and their environment**

- A Ecosystem
- B Habitat
- C Niche
- D Producer

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2 **Which term matches this description: the place where an organism lives**

A Niche

B Habitat

C Producer

D Consumer

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3 **Which term matches this description: the role of an organism in its ecosystem**

A Producer

B Consumer

C Niche

D Decomposer

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4 **Which term matches this description: an organism making its own food**

- A Consumer
- B Decomposer
- C Food chain
- D Producer

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5 **Which term matches this description: an organism eating other organisms**

- A Consumer
- B Decomposer
- C Food chain
- D Food web

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6 **Which term matches this description: an organism breaking down dead material**

- A Food chain
- B Decomposer
- C Food web
- D Trophic level

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7 **Which term matches this description: a sequence showing feeding relationships**

- A Food web
- B Trophic level
- C Food chain
- D Photosynthesis

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8 **Which term matches this description: a network of overlapping food chains**

A Trophic level

B Photosynthesis

C Cellular respiration

D Food web

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9 **Which term matches this description: a feeding level in an ecosystem**

A Trophic level

B Photosynthesis

C Cellular respiration

D Carbon cycle

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10 **Which term matches this description: using light energy to make food from carbon dioxide and water**

- A Cellular respiration
- B Photosynthesis
- C Carbon cycle
- D Nitrogen cycle

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11 **Which term matches this description: releasing energy by breaking down glucose**

- A Carbon cycle
- B Nitrogen cycle
- C Cellular respiration
- D Water cycle

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12 **Which term matches this description: movement of carbon through living and nonliving things**

A Nitrogen cycle

B Water cycle

C Carrying capacity

D Carbon cycle

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13 **Which term matches this description: movement of nitrogen through ecosystems**

A Nitrogen cycle

B Water cycle

C Carrying capacity

D Limiting factor

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14 **Which term matches this description: movement of water through evaporation and precipitation**

- A Carrying capacity
- B Water cycle
- C Limiting factor
- D Competition

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15 **Which term matches this description: the largest population an environment can support**

- A Limiting factor
- B Competition
- C Carrying capacity
- D Predation

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16 **Which term matches this description: a factor restricting population growth**

A Competition

B Predation

C Symbiosis

D Limiting factor

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17 **Which term matches this description: struggle for the same limited resource**

A Competition

B Predation

C Symbiosis

D Mutualism

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18 **Which term matches this description: one organism eating another**

A Symbiosis

B Predation

C Mutualism

D Ecosystem

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19 **Which term matches this description: a close relationship between two species**

A Mutualism

B Ecosystem

C Symbiosis

D Habitat

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20 **Which term matches this description: a symbiotic relationship benefiting both species**

A Ecosystem

B Habitat

C Niche

D Mutualism

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21 **Which statement about Ecosystem is correct**

A a community of organisms and their environment

B the place where an organism lives

C the role of an organism in its ecosystem

D an organism making its own food

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22 **Which statement about Habitat is correct**

A the role of an organism in its ecosystem

B the place where an organism lives

C an organism making its own food

D an organism eating other organisms

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23 **Which statement about Niche is correct**

A an organism making its own food

B an organism eating other organisms

C the role of an organism in its ecosystem

D an organism breaking down dead material

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24 **Which statement about Producer is correct**

- A an organism eating other organisms
- B an organism breaking down dead material
- C a sequence showing feeding relationships
- D an organism making its own food

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25 **Which statement about Consumer is correct**

- A an organism eating other organisms
- B an organism breaking down dead material
- C a sequence showing feeding relationships
- D a network of overlapping food chains

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ANSWER KEY

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

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