NOVA SCOTIA SCIENCE 10 · UNIT A

Sustainability of Ecosystems — Practice Test

Nova Scotia Science 10 • 25 questions

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 **The term for an organism that makes its own food using sunlight is**

- A A decomposer
- B A producer
- C A food web
- D An abiotic factor

Understand It with Pulse | Flag a mistake

2 **A producer means**

A an organism that breaks down dead material and returns nutrients to soil

B an organism that makes its own food using sunlight

C many connected food chains in one ecosystem

D a nonliving part of an ecosystem such as water or sunlight

Understand It with Pulse | Flag a mistake

3 **The term for an organism that eats other organisms for energy is**

A A food chain

B A trophic level

C A consumer

D A biotic factor

Understand It with Pulse | Flag a mistake

4 **A consumer means**

A a single path showing how energy passes from organism to organism

B a feeding step in a food chain or food web

C a living part of an ecosystem such as a plant or animal

D an organism that eats other organisms for energy

Understand It with Pulse | Flag a mistake

5 **The term for an organism that breaks down dead material and returns nutrients to soil is**

A A decomposer

B A food web

C An abiotic factor

D A habitat

Understand It with Pulse | Flag a mistake

6 **A decomposer means**

A many connected food chains in one ecosystem

B an organism that breaks down dead material and returns nutrients to soil

C a nonliving part of an ecosystem such as water or sunlight

D the place where an organism lives

Understand It with Pulse | Flag a mistake

7 **The term for a single path showing how energy passes from organism to organism is**

A A trophic level

B A biotic factor

C A food chain

D A niche

Understand It with Pulse | Flag a mistake

8 **A food chain means**

A a feeding step in a food chain or food web

B a living part of an ecosystem such as a plant or animal

C the role of an organism in its ecosystem

D a single path showing how energy passes from organism to organism

Understand It with Pulse | Flag a mistake

9 **The term for many connected food chains in one ecosystem is**

A A food web

B An abiotic factor

C A habitat

D A population

Understand It with Pulse | Flag a mistake

10 **A food web means**

A a nonliving part of an ecosystem such as water or sunlight

B many connected food chains in one ecosystem

C the place where an organism lives

D all members of one species in one area

Understand It with Pulse | Flag a mistake

11 **The term for a feeding step in a food chain or food web is**

A A biotic factor

B A niche

C A trophic level

D A community

Understand It with Pulse | Flag a mistake

12 **A trophic level means**

A a living part of an ecosystem such as a plant or animal

B the role of an organism in its ecosystem

C all populations living together in one area

D a feeding step in a food chain or food web

Understand It with Pulse | Flag a mistake

13 **The term for a nonliving part of an ecosystem such as water or sunlight is**

A An abiotic factor

B A habitat

C A population

D An ecosystem

Understand It with Pulse | Flag a mistake

14 **An abiotic factor means**

A the place where an organism lives

B a nonliving part of an ecosystem such as water or sunlight

C all members of one species in one area

D a community plus its nonliving surroundings

Understand It with Pulse | Flag a mistake

15 **The term for a living part of an ecosystem such as a plant or animal is**

A A niche

B A community

C A biotic factor

D Biodiversity

Understand It with Pulse | Flag a mistake

16 **A biotic factor means**

A the role of an organism in its ecosystem

B all populations living together in one area

C the variety of living things in an area

D a living part of an ecosystem such as a plant or animal

Understand It with Pulse | Flag a mistake

17 **The term for the place where an organism lives is**

A A habitat

B A population

C An ecosystem

D Carrying capacity

Understand It with Pulse | Flag a mistake

18 **A habitat means**

A all members of one species in one area

B the place where an organism lives

C a community plus its nonliving surroundings

D the largest population an area can support over time

Understand It with Pulse | Flag a mistake

19 **The term for the role of an organism in its ecosystem is**

A A community

B Biodiversity

C A niche

D A limiting factor

Understand It with Pulse | Flag a mistake

20 **A niche means**

A all populations living together in one area

B the variety of living things in an area

C a condition that limits the size of a population

D the role of an organism in its ecosystem

Understand It with Pulse | Flag a mistake

21 **The term for all members of one species in one area is**

A A population

B An ecosystem

C Carrying capacity

D Succession

Understand It with Pulse | Flag a mistake

22 **A population means**

A a community plus its nonliving surroundings

B all members of one species in one area

C the largest population an area can support over time

D the gradual change of species in an area over time

Understand It with Pulse | Flag a mistake

23 **The term for all populations living together in one area is**

A Biodiversity

B A limiting factor

C A community

D Mutualism

Understand It with Pulse | Flag a mistake

24 **A community means**

A the variety of living things in an area

B a condition that limits the size of a population

C a relationship where both species benefit

D all populations living together in one area

Understand It with Pulse | Flag a mistake

25 **The term for a community plus its nonliving surroundings is**

A An ecosystem

B Carrying capacity

C Succession

D Parasitism

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
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

© 2026 Brett Robbins. All Rights Reserved.