NEWFOUNDLAND AND LABRADOR ENVIRONMENTAL SCIENCE 3205 · UNIT B · 25 QUESTIONS

Ecosystems and Biodiversity — 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 **A producer in an ecosystem makes food by photosynthesis or chemosynthesis and forms the base of a**



A population only

B food web

C community only

D habitat only

Understand It with Pulse | Flag a mistake

2

A primary consumer eats

A other consumers only

B producers

C decomposers only

D soil only

Understand It with Pulse

Flag a mistake

3 **A secondary consumer eats**



A producers only

B decomposers only

C primary consumers

D plants only

Understand It with Pulse | Flag a mistake

4

A decomposer breaks down dead matter and returns nutrients to the

A atmosphere only

B producers only

C soil only

D ecosystem

Understand It with Pulse

Flag a mistake

5 **A food web is more realistic than a food chain because most organisms eat and are eaten by**



A more than one species

B only one species

C only producers

D only decomposers

Understand It with Pulse | Flag a mistake

6 **Energy transfer between trophic levels is inefficient, with about 10 percent transferred and the rest lost mainly as**

- A light
- B heat
- C mass
- D water

Understand It with Pulse | Flag a mistake

7 **A trophic level is a feeding level in a food chain or food**

- A cycle
- B population
- C web
- D habitat

Understand It with Pulse | Flag a mistake

8 **The variety of life includes genetic variety, species variety and ecosystem**



A stability only

B productivity only

C size only

D diversity

Understand It with Pulse | Flag a mistake

9 **Genetic diversity within a species helps a population adapt to changing**



A conditions

B predators only

C food only

D habitats only

Understand It with Pulse | Flag a mistake

10 **Species richness is the number of different species in an**

- A individual
- B area
- C population only
- D food chain

Understand It with Pulse | Flag a mistake

11 **A habitat is the place where an organism lives, while a niche is the role an organism plays in its**

- A habitat only
- B population only
- C ecosystem
- D food web only

Understand It with Pulse | Flag a mistake

12 **Two species with the same niche in the same place will compete, and competitive exclusion can lead to one species being**



A increased

B unchanged

C protected

D displaced

Understand It with Pulse | Flag a mistake

13 **Mutualism is a relationship in which both species**

A benefit

B are harmed

C are unaffected

D compete only

Understand It with Pulse | Flag a mistake

14 **Parasitism is a relationship in which one organism benefits and the other is**

A benefited

B harmed

C unaffected

D protected

Understand It with Pulse | Flag a mistake

15 **Predation is a relationship in which a predator eats**

A producers only

B decomposers

C prey

D its own species only

Understand It with Pulse | Flag a mistake

16 **Producers have 20000 energy units. At 10 percent transfer, primary consumers receive**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **Primary consumers have 2000 energy units. At 10 percent transfer, secondary consumers receive**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **An area has 40 species in 2000 and 30 species in 2020. The decrease in species is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A plot has 5 species with counts 10, 20, 30, 20 and 20. The total individuals is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A forest has 800 trees of 4 species equally. The trees per species is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **A pond has 120 fish and 30 are trout. The trout percentage is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **A food web has 12 producers and 24 consumers. The total species is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **A population of 300 deer increases by 60. The new population is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **A population of 500 rabbits falls by 100. The population remaining is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **An ecosystem loses 15 of 60 species. The species remaining is**

ANSWER _____

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. 2000
17. 200
18. 10
19. 100
20. 200
21. 25
22. 36
23. 360
24. 400
25. 45

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