EARTH SYSTEMS 3209 · NEWFOUNDLAND AND LABRADOR

Earth Systems 3209

Practice Test

Unit D: The Biosphere and Environmental Change

25 Questions

Original practice test based on the Newfoundland and Labrador curriculum. Work through each question, then check your answers at the end.

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.

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Question 1

The biosphere includes all living things and the parts of Earth where life

A) exists

B) formed only

C) will form

D) is studied

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Question 2

Photosynthesis by plants removes carbon dioxide from the atmosphere and releases

A) nitrogen

B) hydrogen

C) oxygen

D) methane

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Question 3

Respiration by organisms releases carbon dioxide into the atmosphere and uses

A) nitrogen

B) carbon only

C) oxygen

D) water only

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Question 4

Decomposition returns nutrients from dead organisms to the

A) atmosphere only

B) ocean only

C) rocks only

D) soil

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Question 5

A food chain shows the transfer of energy from producers to

A) consumers

B) decomposers only

C) soil only

D) air only

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Question 6

Energy is lost at each trophic level mainly as

A) light

B) heat

C) mass

D) water

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Question 7

Biodiversity is the variety of species, genes and ecosystems in an

A) individual

B) population only

C) area

D) fossil

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Question 8

Habitat loss is a leading cause of species decline because organisms lose the places where they can find food, shelter and

A) water only

B) air only

C) soil only

D) mates

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Question 9

An invasive species can harm native species by competing for resources, preying on natives or spreading

A) disease

B) seeds only

C) soil only

D) water only

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Question 10

The carbon cycle moves carbon between the atmosphere, oceans, land and living

A) rocks only

B) organisms

C) clouds only

D) magma only

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Question 11

Burning fossil fuels releases the carbon stored in the fuels into the atmosphere as

A) oxygen

B) nitrogen

C) carbon dioxide

D) methane only

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Question 12

Deforestation reduces carbon storage because trees that absorbed carbon dioxide are

A) planted

B) watered

C) studied

D) removed

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Question 13

Climate change refers to long term changes in temperature, precipitation and other climate

A) patterns

B) events only

C) seasons only

D) storms only

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Question 14

Ocean acidification occurs when ocean water absorbs extra carbon dioxide and becomes more

A) basic

B) acidic

C) salty

D) warm only

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Question 15

Sustainable use of a resource means using it at a rate that does not deplete it for future

A) seasons

B) years only

C) generations

D) industries only

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Question 16

A forest of 1000 hectares loses 200 hectares. The area remaining in hectares is

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Question 17

A forest of 2000 hectares loses 25 percent. The area lost in hectares is

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Question 18

A population of 400 animals grows by 50 animals. The new population size is

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Question 19

A population of 600 animals falls by 150 animals. The population remaining is

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Question 20

A food chain has 10000 energy units at producers. If 10 percent passes to the next level, the energy at that level is

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Question 21

A food chain level has 1000 energy units. If 10 percent passes on, the next level energy is

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Question 22

Carbon emissions are 40 units per year for 5 years. The total emissions in units is

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Question 23

A wetland of 300 hectares expands by 60 hectares. The new area in hectares is

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Question 24

A species count falls from 80 to 64. The decrease is

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Question 25

A recycling program saves 250 kilograms per month. In 12 months, the saving in kilograms is

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ANSWER KEY

1. A
2. C
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. 800
17. 500
18. 450
19. 450
20. 1000
21. 100
22. 200
23. 360
24. 16
25. 3000

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