ENVIRONMENTAL SCIENCE 3205 · NEWFOUNDLAND AND LABRADOR

Environmental Science 3205
Practice Test

Unit D: Natural Resources and Sustainability

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

A renewable resource can be replenished naturally within a human

A) geologic era

B) lifetime

C) century only

D) decade only

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Question 2

A nonrenewable resource forms over geologic time and is used faster than it is

A) burned

B) replenished

C) mined

D) transported

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Question 3

Solar energy is renewable because sunlight is continuously supplied by the

A) Moon

B) Earth core

C) Sun

D) atmosphere

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Question 4

Wind energy is generated by turbines that convert kinetic energy of moving air into

A) heat only

B) chemical energy

C) sound

D) electricity

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Question 5

Hydroelectric power uses falling water to turn turbines that generate

A) electricity

B) steam only

C) fuel

D) heat only

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Question 6

Geothermal energy uses heat from Earth interior to generate electricity or provide

A) cooling only

B) heating

C) fuel

D) light only

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Question 7

Biomass energy comes from organic matter such as wood, crops and

A) coal

B) oil

C) waste

D) gas only

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Question 8

Fossil fuels include coal, oil and natural gas, formed from ancient organic

A) rock

B) minerals

C) water

D) matter

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Question 9

Burning fossil fuels releases carbon dioxide, a greenhouse gas that contributes to climate

A) change

B) stability

C) cooling only

D) weather only

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Question 10

Energy conservation means using less energy by reducing waste and improving

A) production only

B) efficiency

C) demand only

D) supply only

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Question 11

Recycling reduces resource use because materials are reprocessed into new

A) waste

B) energy only

C) products

D) fuel only

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Question 12

Sustainable forestry harvests trees at a rate no greater than the rate at which forests

A) burn

B) expand

C) are planted only

D) regrow

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Question 13

Overfishing reduces fish stocks when catch rates exceed the rate at which fish populations

A) reproduce

B) migrate

C) feed

D) grow only

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Question 14

Soil erosion removes topsoil faster than it forms, reducing soil fertility and crop

A) prices

B) yields

C) sizes only

D) colours

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Question 15

Water conservation includes fixing leaks, using efficient fixtures and reusing water where

A) possible only

B) cheap only

C) safe

D) required

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Question 16

A solar panel produces 200 watts for 5 hours. The energy in watt hours is

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Question 17

A wind turbine produces 500 watts for 4 hours. The energy in watt hours is

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Question 18

A household uses 600 kilowatt hours per month. In 12 months, the use in kilowatt hours is

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Question 19

A forest of 10000 trees is harvested at 500 trees per year and regrows 500 per year. The net change per year is

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Question 20

A fish stock of 10000 loses 2000 to fishing and gains 1500 by reproduction. The net change is

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Question 21

A recycling program recovers 800 kilograms of 1000 kilograms of waste. The recovery percentage is

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Question 22

A car travels 400 kilometres on 40 litres of fuel. The distance per litre in kilometres is

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Question 23

A factory reduces energy use from 5000 units to 4000 units. The saving in units is

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Question 24

A factory reduces energy use from 5000 to 4000 units. The saving as a percentage is

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Question 25

A water system loses 200 litres of 2000 litres. The loss percentage is

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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. 1000
17. 2000
18. 7200
19. 0
20. -500
21. 80
22. 10
23. 1000
24. 20
25. 10

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