ENVIRONMENTAL SCIENCE 3205 · NEWFOUNDLAND AND LABRADOR

Environmental Science 3205
Practice Test

Unit C: Human Population and Carrying Capacity

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

Carrying capacity is the maximum population size an environment can sustain over time given available

A) predators only

B) resources

C) space only

D) water only

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Question 2

Exponential growth occurs when a population grows at a rate proportional to its size and resources are

A) limited

B) unlimited

C) declining

D) absent

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Question 3

Logistic growth levels off as a population approaches its

A) birth rate

B) death rate

C) carrying capacity

D) doubling time

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Question 4

A population grows when birth rate plus immigration exceeds death rate plus

A) predation

B) competition

C) disease

D) emigration

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Question 5

Density dependent factors, such as disease and competition, have a greater effect as population density

A) increases

B) decreases

C) stays the same

D) becomes zero

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Question 6

Factors such as a flood or drought affect a population regardless of its

A) size only

B) density

C) age only

D) location only

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Question 7

Doubling time is the time needed for a population to double in

A) area

B) density

C) size

D) age

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Question 8

The demographic transition model describes changes in birth and death rates as a society

A) shrinks

B) migrates

C) urbanizes only

D) develops

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Question 9

In the demographic transition, death rates usually fall first because of improvements in food, sanitation and

A) medicine

B) education only

C) trade only

D) transport only

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Question 10

Urbanization is the movement of people from rural areas to

A) farms

B) cities

C) coasts only

D) forests

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Question 11

Age structure of a population shows the distribution of people by age and can predict future

A) migration only

B) death only

C) growth

D) birth only

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Question 12

A population pyramid with a wide base indicates a large proportion of

A) old people

B) migrants

C) workers only

D) young people

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Question 13

Overpopulation pressures arise when population growth exceeds the capacity of resources and

A) services

B) land only

C) water only

D) food only

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Question 14

Family planning programs can slow population growth by giving people access to contraception and

A) migration

B) education

C) employment only

D) housing only

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Question 15

Sustainable population policy balances human needs with the long term capacity of

A) cities only

B) farms only

C) ecosystems

D) industry only

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Question 16

A population of 1000 grows by 10 percent in a year. The increase is

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Question 17

A population of 1000 grows by 10 percent. The new population is

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Question 18

A population doubles every 20 years. Starting at 500, after 40 years the population is

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Question 19

A population doubles every 25 years. Starting at 800, after 25 years the population is

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Question 20

Births are 300, deaths are 200, immigration is 50 and emigration is 30. The net change is

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Question 21

A city has 100000 people and grows by 2 percent. The increase is

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Question 22

A population of 4000 has carrying capacity 5000. The remaining capacity is

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Question 23

A population grows from 200 to 300. The increase as a percentage of the original is

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Question 24

A population falls from 800 to 600. The decrease as a percentage of the original is

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Question 25

A town adds 120 births and 80 deaths in a year. The natural increase 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. 100
17. 1100
18. 2000
19. 1600
20. 120
21. 2000
22. 1000
23. 50
24. 25
25. 40

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