Human Population and Carrying Capacity — Practice Test

Prince Edward Island Environmental Science 12 • 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 **A population of 1000 grows by 2 percent per year. After 1 year the population is**

ANSWER _____

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2 **A population of 500 grows by 10 percent per year. After 2 years the population is**

ANSWER _____

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3 **A country has 100000 births and 60000 deaths in a year. The natural increase is**

ANSWER _____

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4 **A population doubles every 25 years. Starting at 400, after 50 years the population is**

ANSWER _____

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5 **Carrying capacity is the maximum population an environment can**

A sustain over time

B support for one year only

C count in a census

D grow without limit

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6 **Exponential growth occurs when growth rate is**

A zero

B falling to zero

C limited by resources

D constant as a percent

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7 **Logistic growth slows as population approaches**

A infinity

B the birth rate

C carrying capacity

D zero

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8 **A population pyramid shows age and sex**

A food supply

B structure of a population

C income levels

D migration routes

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9 **A high birth rate and high death rate characterize the first stage of the**

A demographic transition

B logistic curve

C carrying capacity

D population pyramid

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10 **Urbanization is the growth in the proportion of people living in**

- A rural areas
- B forests
- C coastal areas only
- D cities

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11 **Density dependent factors include**

- A natural disasters only
- B seasons only
- C disease and competition
- D weather only

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12 **Density independent factors include**

A predation only

B severe weather and natural disasters

C disease

D competition

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13 **Immigration adds individuals to a population from**

A outside the area

B inside the area

C births

D aging

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14 **Emigration removes individuals from a population to**

A births

B deaths

C aging

D outside the area

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15 **A town of 5000 grows by 4 percent in one year. The new population is**

ANSWER _____

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16 **A country has 200000 births, 150000 deaths and 10000 net migrants in a year. The total increase is**

ANSWER _____

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17 **A population of 800 doubles every 10 years. After 30 years the population is**

ANSWER

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18 **If 60 percent of a population of 10000 lives in cities, the urban population is**

ANSWER

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19 **A population of 1200 falls by 10 percent. The new population is**

ANSWER

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20 **A region has 50000 people in 100 km². The density in people per km² is**

ANSWER

Understand It with Pulse | Flag a mistake

21 **A population of 3000 grows by 3 percent per year. After 1 year the population is**

ANSWER _____

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22 **A country has 120000 births and 90000 deaths in a year. The natural increase is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **A population doubles every 30 years. Starting at 200, after 60 years the population is**

ANSWER _____

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24 **If 25 percent of a population of 40000 lives in cities, the urban population is**

ANSWER _____

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25

A region has 90000 people in 300 km². The density in people per km² is

ANSWER

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ANSWER KEY

1. 1020
2. 605
3. 40000
4. 1600
5. A
6. D
7. C
8. B
9. A
10. D
11. C
12. B
13. A
14. D
15. 5200
16. 60000
17. 6400
18. 6000
19. 1080
20. 500
21. 3090
22. 30000
23. 800
24. 10000
25. 300

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