POPULATION GROWTH AND RESOURCE LIMITATIONS - PRACTICE TEST | NEW BRUNSWICK ENVIRONMENTAL SCIENCE 120 · UNIT C · 25 QUESTIONS

Population Growth and Resource Limitations, 25-question test — 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 population grows at 2 percent per year. By the rule of 70 the doubling time in years is**

Question 1

A population grows at 2 percent per year. By the rule of 70 the doubling time in years is

ANSWER _____

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2 **A population grows at 5 percent per year. By the rule of 70 the doubling time in years is**

Question 2

A population grows at 5 percent per year. By the rule of 70 the doubling time in years is

ANSWER _____

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3

A population grows at 7 percent per year. By the rule of 70 the doubling time in years is

Question 3

A population grows at 7 percent per year. By the rule of 70 the doubling time in years is

ANSWER

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4

A resource reserve of 1000 units is used at 50 units per year. The years until depletion are

Question 4

A resource reserve of 1000 units is used at 50 units per year. The years until depletion are

ANSWER

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5

A resource reserve of 2000 units is used at 100 units per year. The years until depletion are

Question 5

A resource reserve of 2000 units is used at 100 units per year. The years until depletion are

ANSWER

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6 **A resource reserve of 5000 units is used at 250 units per year. The years until depletion are**

Question 6

A resource reserve of 5000 units is used at 250 units per year. The years until depletion are

ANSWER

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7 **A country uses 200 units of water and recycles 50 units. The net use is**

Question 7

A country uses 200 units of water and recycles 50 units. The net use is

ANSWER

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8 **A population of 10000 grows by 5 percent in one year. The increase is**

Question 8

A population of 10000 grows by 5 percent in one year. The increase is

ANSWER

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9 **A fish stock of 4000 is harvested at 10 percent per year. The harvest is**

Question 9

A fish stock of 4000 is harvested at 10 percent per year. The harvest is

ANSWER

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10 **A forest grows 1000 trees per year and 800 are cut. The net gain per year is**

Question 10

A forest grows 1000 trees per year and 800 are cut. The net gain per year is

ANSWER

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11 **A mine has 9000 tonnes and extracts 300 tonnes per year. The years of supply are**

Question 11

A mine has 9000 tonnes and extracts 300 tonnes per year. The years of supply are

ANSWER

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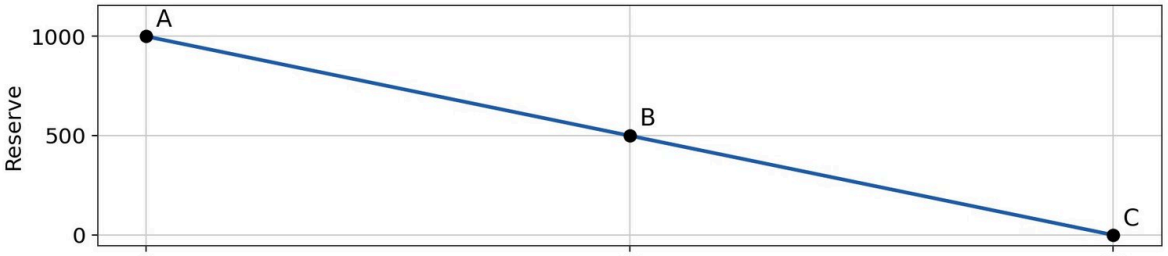
12

The graph shows a non renewable resource falling from 1000 to 0 over 20 years. The total used is



Question 12

The graph shows *a non* renewable resource falling from 1000 *to* 0 / 20 years . *The* total used *is*

ANSWER

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13 Exponential growth occurs when the growth rate is

Question 13

Exponential growth occurs when the growth rate is

A) constant as a number

B) constant as a percent

C) zero

D) declining

A constant as a percent

B constant as a number

C zero

D declining

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14 Logistic growth levels off at the

Question 14

Logistic growth levels off at the

A) birth rate

B) carrying capacity

C) death rate

D) doubling time

A birth rate

B carrying capacity

C death rate

D doubling time

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15

A non renewable resource is used faster than it is

Question 15

A non renewable resource is used faster than it is

A) recycled

B) discovered

C) formed

D) used

A recycled

B discovered

C formed

D used

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16 A renewable resource can be replenished on a human

Question 16

A renewable resource can be replenished on a human

A) geological timescale only

B) daily basis only

C) seasonal basis only

D) timescale

A geological timescale only

B daily basis only

C seasonal basis only

D timescale

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17 Overpopulation can lead to resource depletion and habitat

Question 17

Overpopulation can lead to resource depletion and habitat

A) degradation

B) growth

C) recovery

D) expansion

A degradation

B growth

C recovery

D expansion

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18 Maximum sustainable yield is the largest harvest that can be taken

Question 18

Maximum sustainable yield is the largest harvest that can be taken

A) once

B) repeatedly

C) annually only

D) without effort

A once

B repeatedly

C annually only

D without effort

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19 Urbanisation increases demand for housing, water and

Question 19

Urbanisation increases demand for housing, water and

A) forests

B) wildlife

C) energy

D) farmland only

A forests

B wildlife

C energy

D farmland only

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20

Desertification is land degradation in dry areas often caused by overgrazing and

Question 20

Desertification is land degradation in dry areas often caused by overgrazing and

A) irrigation only

B) rainfall

C) flooding

D) deforestation

A irrigation only

B rainfall

C flooding

D deforestation

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21 Soil erosion is reduced by planting cover crops and using

Question 21

Soil erosion is reduced by planting cover crops and using

A) contour ploughing

B) monoculture

C) overgrazing

D) clear cutting

A contour ploughing

B monoculture

C overgrazing

D clear cutting

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22 Water scarcity is worsened by over extraction from

Question 22

Water scarcity is worsened by over extraction from

A) rivers only

B) aquifers

C) lakes only

D) oceans

A rivers only

B aquifers

C lakes only

D oceans

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23 Fossil fuels are non renewable because they form over

Question 23

Fossil fuels are non renewable because they form over

A) decades

B) centuries

C) millions of years

D) millennia only

A decades

B centuries

C millions of years

D millennia only

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24 A demographic transition describes change from high to low birth and death

Question 24

A demographic transition describes change from high to low birth and death

A) populations

B) resources

C) incomes

D) rates

A populations

B resources

C incomes

D rates

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25 Age structure diagrams with a wide base indicate a

Question 25

Age structure diagrams with a wide base indicate a

A) young growing population

B) old shrinking population

C) stable population

D) declining population

A young growing population

B old shrinking population

C stable population

D declining population

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ANSWER KEY

1. 35
2. 14
3. 10
4. 20
5. 20
6. 20
7. 150
8. 500
9. 400
10. 200
11. 30
12. 1000
13. A
14. B
15. C
16. D
17. A
18. B
19. C
20. D
21. A
22. B
23. C
24. D
25. A

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