BIO40 · MANITOBA

BIO40
Practice Test

Unit E: Conservation of Biodiversity

25 Questions

Original practice test based on the Manitoba 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 heart beats 95 times per minute. In 5 minutes it beats

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Question 2

A population of 20 doubles 4 times. Its final size is

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Question 3

An object of size 8 units seen at magnification 40 times has image size

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Question 4

40 grams of fat provide energy at 9 kilocalories per gram. The energy is, in kilocalories

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Question 5

30 grams of protein in grilled chicken provide energy at 4 kilocalories per gram. The energy is, in kilocalories

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Question 6

One cell divides 4 times with no cell death. The number of cells is

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Question 7

A neutral solution has a pH of

A) 0 B) 14

C) 7 D) 1

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Question 8

An acid has a pH that is

A) equal to 7

B) less than 7

C) greater than 7

D) equal to 14

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Question 9

In a monohybrid cross of a heterozygous parent and a homozygous recessive parent, the percent of offspring described is

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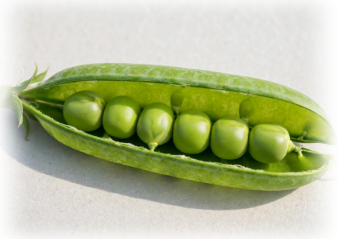

Question 10

In a monohybrid cross of two heterozygous pea plants, the percent of offspring described is

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Question 11

The chemical symbol for carbon dioxide is

A) H_2O

B) O_2

C) CO_2

D) CO

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Question 12

The chemical symbol for water is

A) CO_2

B) H_2O

C) O_2

D) NaCl

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Question 13

The control centre of the cell, holding genetic material, is the

A) mitochondrion

B) nucleus

C) chloroplast

D) membrane

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Question 14

The force that pulls objects toward Earth is

A) friction

B) magnetism

C) inertia

D) gravity

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Question 15

The gas plants absorb from the air for photosynthesis is

A) oxygen

B) nitrogen

C) hydrogen

D) carbon dioxide

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Question 16

The gas released by plants during photosynthesis is

A) oxygen

B) carbon dioxide

C) nitrogen

D) hydrogen

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Question 17

A heart beats 85 times per minute. In 3 minutes it beats

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Question 18

A population of 40 doubles 4 times. Its final size is

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Question 19

An object of size 6 units seen at magnification 10 times has image size

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Question 20

20 grams of fat in butter provide energy at 9 kilocalories per gram. The energy is, in kilocalories

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Question 21

10 grams of protein provide energy at 4 kilocalories per gram. The energy is, in kilocalories

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Question 22

One cell divides 3 times with no cell death. The number of cells is

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Question 23

A heart beats 75 times per minute. In 5 minutes it beats

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Question 24

A population of 50 doubles 4 times. Its final size is

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Question 25

An object of size 6 units seen through a microscope at magnification 20 times has image size

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ANSWER KEY

1. 475
2. 320
3. 320
4. 360
5. 120
6. 32
7. C
8. B
9. 50
10. 75
11. C
12. B
13. B
14. D
15. D
16. A
17. 255
18. 640
19. 60
20. 180
21. 40
22. 24
23. 375
24. 800
25. 120

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