SASKATCHEWAN SCIENCE 10 · UNIT A · 25 QUESTIONS

Climate and Ecosystem Dynamics — 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 **The warming of the atmosphere by gases that trap heat leaving Earth is called**

- A greenhouse effect
- B biodiversity
- C ecosystem
- D food web

Understand It with Pulse | Flag a mistake

2 **Which gas is the main human caused greenhouse gas from burning fossil fuels**

A oxygen

B carbon dioxide

C nitrogen

D argon

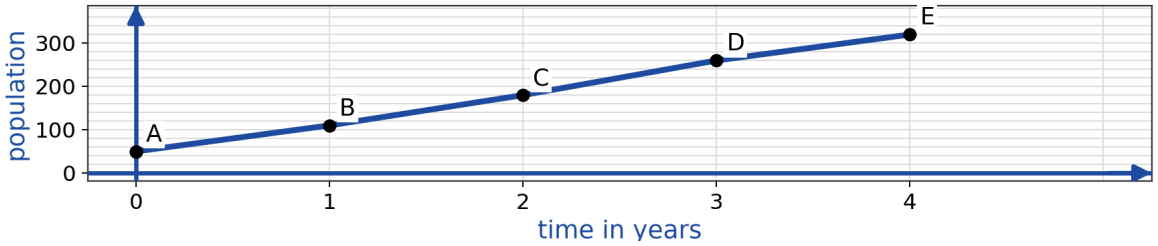
Understand It with Pulse | Flag a mistake

3 **Out of 200 students surveyed, 60 chose the same answer. The percent who chose it is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The graph shows a rabbit population over time. The population in year 4 is _____**



ANSWER

Understand It with Pulse | Flag a mistake

5 **The movement of carbon between the atmosphere, oceans, soil and living things is called**

A ecosystem

B food web

C carbon cycle

D trophic level

Understand It with Pulse | Flag a mistake

6 **Which process removes carbon dioxide from the atmosphere**

A respiration

B combustion

C erosion

D photosynthesis

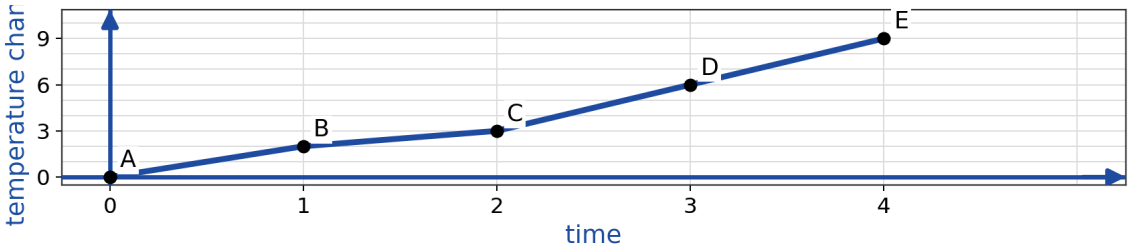
Understand It with Pulse | Flag a mistake

7 **Out of 150 students surveyed, 45 chose the same answer. The percent who chose it is ____**

ANSWER _____

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8 **The graph shows global temperature change over time. The trend shown is**



- **A** warming over time
- **B** cooling over time
- **C** no change
- **D** warming then cooling to below the start

Understand It with Pulse | Flag a mistake

9 **The variety of species and ecosystems in an area is called**

- **A** food web
- **B** biodiversity
- **C** trophic level
- **D** producer

Understand It with Pulse | Flag a mistake

10 **A sudden drop in a prey population most likely causes its predator population to**

A increase steadily

B stay exactly the same

C decrease

D become producers

Understand It with Pulse | Flag a mistake

11 **Out of 120 students surveyed, 30 chose the same answer. The percent who chose it is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **A community of living things together with its nonliving surroundings is called**

A trophic level

B producer

C consumer

D ecosystem

Understand It with Pulse | Flag a mistake

13 **Which human activity most directly increases atmospheric carbon dioxide**

A burning fossil fuels

B planting trees

C recycling paper

D using wind power

Understand It with Pulse | Flag a mistake

14 **Out of 300 students surveyed, 90 chose the same answer. The percent who chose it is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **A set of interconnected food chains in an ecosystem is called**

A producer

B food web

C consumer

D decomposer

Understand It with Pulse | Flag a mistake

16 **In a food web, energy is lost at each trophic level mainly as**

A water

B carbon

C heat

D oxygen

Understand It with Pulse | Flag a mistake

17 **A population starts at 50 and multiplies by 2 each generation for 3 generations. The final population is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A feeding level in a food chain or food web is called**

A consumer

B decomposer

C carrying capacity

D trophic level

Understand It with Pulse | Flag a mistake

19 **Which is the best example of a long term climate change**

A a warming trend over decades

B a rainy week

C a cold day in winter

D a windy afternoon

Understand It with Pulse | Flag a mistake

20 **A population starts at 20 and multiplies by 3 each generation for 2 generations. The final population is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **An organism that makes its own food by photosynthesis is called**

A producer

B decomposer

C carrying capacity

D limiting factor

Understand It with Pulse | Flag a mistake

22 **A population starts at 100 and multiplies by 2 each generation for 4 generations. The final population is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **An organism that eats other organisms for energy is called**

A carrying capacity

B limiting factor

C consumer

D climate

Understand It with Pulse | Flag a mistake

24 **A bacterial culture starts with 40 cells and doubles 3 times. The final number of cells is ____**

ANSWER _____

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25

An organism that breaks down dead material and returns nutrients to the soil is called

A limiting factor

B climate

C weather

D decomposer

Understand It with Pulse

Flag a mistake

ANSWER KEY

1. A
2. B
3. 30
4. 320
5. C
6. D
7. 30
8. A
9. B
10. C
11. 25
12. D
13. A
14. 30
15. B
16. C
17. 400
18. D
19. A
20. 180
21. A
22. 1600
23. C
24. 320
25. D

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