ALASKA BIOLOGY · UNIT 4 · 10 QUESTIONS

Ecology and Ecosystems — 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 so it can be fixed.

1 **Greenhouse gases in the atmosphere trap**

- A Oxygen
- B Nitrogen
- C Sunlight only
- D Heat

Understand It with Pulse | Flag a mistake

2 **Thawing permafrost in Alaska can release greenhouse gases and damage**

- A Only ocean fish
- B Only desert plants
- C Roads and buildings
- D Only birds

Understand It with Pulse | Flag a mistake

3 **The boreal forest biome in Alaska is dominated by**

A Cacti

B Conifer trees

C Palm trees

D Coral

Understand It with Pulse | Flag a mistake

4 **A population with many young individuals and few old individuals is most likely to**

A Grow

B Shrink rapidly

C Stay exactly the same

D Go extinct at once

Understand It with Pulse | Flag a mistake

5 **In the water cycle water vapor cools and forms liquid droplets This process is**

A Evaporation

B Condensation

C Precipitation

D Infiltration

Understand It with Pulse | Flag a mistake

6 **Biodiversity is highest where there are**

A Few species

B One species only

C Many different species

D No species

Understand It with Pulse | Flag a mistake

7 **A climax community is best described as a community that is**

- A Newly formed
- B Changing rapidly
- C Destroyed
- D Relatively stable over time

Understand It with Pulse | Flag a mistake

8 **A lake food web loses its top predator Small fish that the predator ate are likely to**

- A Increase at first
- B Disappear at once
- C Stop eating
- D Become producers

Understand It with Pulse | Flag a mistake

9 **Burning fossil fuels adds carbon dioxide to the atmosphere This can contribute to**

A Cooling only

B Climate warming

C Ozone creation

D Less plant growth

Understand It with Pulse | Flag a mistake

10 **Producers in an ecosystem store 50000 kilocalories of energy About how many kilocalories reach secondary consumers if 10 percent is transferred at each step**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. D
2. C
3. B
4. A
5. B
6. C
7. D
8. A
9. B
10. 500

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