ALBERTA BIOLOGY 20 · UNIT 2 · 5 QUESTIONS

Ecosystems and Population Change — 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 **All of the populations of different species that live and interact in the same area at the same time make up a**

- A Population
- B Community
- C Ecosystem
- D Biosphere

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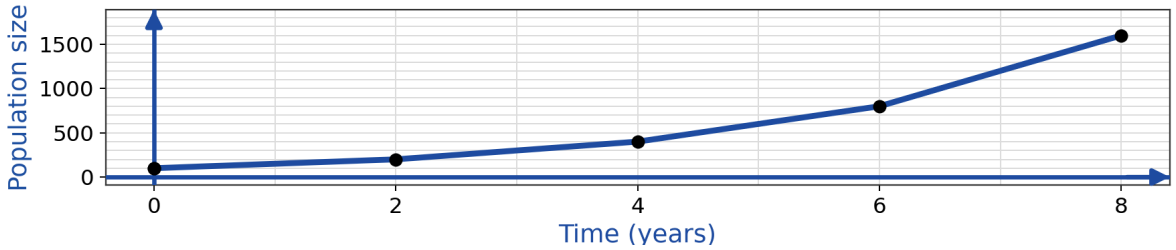
2 **The graph shows population size over time for a population with unlimited food and space and no predators. The shape of the graph is**



- **A** J-shaped, rising more and more steeply
- **B** S-shaped, levelling off at a maximum
- **C** a straight horizontal line
- **D** bell-shaped, rising then falling

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3 **To estimate the size of a trout population in a lake, biologists caught, marked, and released 240 trout. Later, they caught 300 trout and found that 45 of them were marked. The estimated size of the trout population is ____.**

ANSWER _____

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4

A climax community is best described as

A the first community to colonize a new area

B a community that has just been disturbed

C a stable, mature community that changes very little until it is disturbed

D a community made up only of pioneer species

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5 **A small flock of seabirds perched on rocky outcrops on a remote island shore, blue sea behind. When a predatory sea star was removed from a rocky shore ecosystem, mussels multiplied rapidly and crowded out many other species, greatly reducing the diversity of the community. The sea star is best described as a**



A Pioneer species

B Invasive species

C Dominant species

D Keystone species

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ANSWER KEY

1. B
2. A
3. 1600
4. C
5. D

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