ALBERTA SCIENCE 20 · UNIT D · 5 QUESTIONS

Changes in Living Systems — Practice Test

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1 **Shelves of labelled archive boxes, old papers and recordings in a community archive room. In ecology, a community consists of**



A. all the populations of different species living in an area

B. all the members of one species in an area

C. the living and nonliving parts of an environment

D. all the producers in an ecosystem

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2 **Which organism functions as a producer in a pond ecosystem?**

A minnow

B algae

C snail

D heron

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3 **A food web differs from a food chain because a food web**

A shows only one path of energy flow

B includes decomposers but no consumers

C shows the many interconnected feeding relationships in an ecosystem

D begins with a top predator

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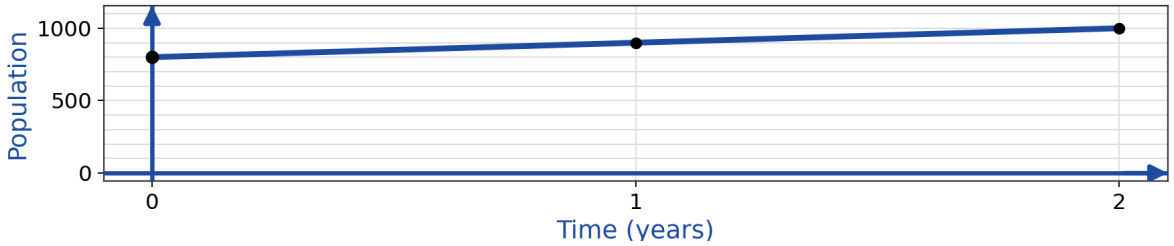
4 **The graph shows a rabbit population over time. The population shown after 2 years is**



- **A** 800
- **B** 900
- **C** 1000
- **D** 1100

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5 **Carbon is returned to the atmosphere when plants and animals carry out**

- **A** photosynthesis
- **B** nitrogen fixation
- **C** transpiration
- **D** cellular respiration

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ANSWER KEY

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

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