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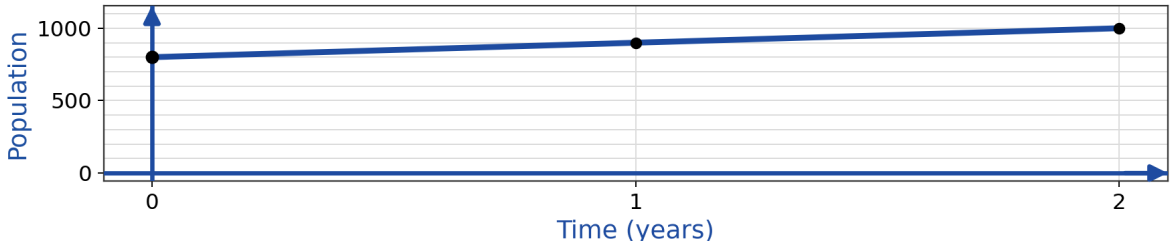
4 **The graph shows a rabbit population over time. The population shown after 2 years is**



- **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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