ARKANSAS BIOLOGY · UNIT 4 · 5 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 to let Brett know so he can fix it.

1 **Colourful hot air balloons floats in a blue sky. The carbon cycle returns carbon dioxide to air when organisms**



A Respire and when organic matter burns or decays

B Photosynthesize only

C Fix nitrogen

D Absorb sunlight

Understand It with Pulse | Flag a mistake

2 **Photosynthesis removes carbon dioxide from air and stores carbon in**

- A Animal bones only
- B Plant biomass
- C Rock only
- D Water vapour

Understand It with Pulse | Flag a mistake

3 **Nitrogen fixation converts nitrogen gas into forms plants can use, carried out mainly by**

- A Animals
- B Fungi only
- C Certain bacteria
- D Sunlight alone

Understand It with Pulse | Flag a mistake

4 **Denitrifying bacteria return nitrogen to air by converting nitrates into**

- A Ammonia only
- B Plant proteins
- C Oxygen
- D Nitrogen gas

Understand It with Pulse | Flag a mistake

5 **Eutrophication can follow excess fertilizer runoff into a lake, causing algal blooms that reduce**

- A Dissolved oxygen when algae decay
- B Sunlight permanently
- C Water volume
- D Soil nutrients

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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