ARKANSAS 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 to let Brett know so he can fix it.

1 **An invasive species can harm native species because it often lacks**

- A Food in the new area
- B Natural predators in the new area
- C A habitat
- D Reproduction

Understand It with Pulse | Flag a mistake

2 **Habitat loss is a major cause of extinction because it reduces the**

- A Number of fossils
- B Mutation rate
- C Space and resources a species needs
- D Predator numbers only

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3 **A keystone species has an effect on its community that is large relative to its**

A Body size only

B Colour

C Age

D Abundance

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4 **An ecological footprint estimates the land and water needed to support a person lifestyle and absorb its**

A Wastes

B Fossils

C Predators

D Competitors

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5 **The greenhouse effect warms Earth because certain gases in air**

- A Block all sunlight
- B Absorb and re emit infrared radiation
- C Remove oxygen
- D Cool the oceans

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6 **Acid rain forms when sulfur and nitrogen oxides react with water in air, and it can harm**

- A Only deserts
- B Only glaciers
- C Aquatic life and forests
- D Only oceans

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7 **In a pond, 40 trout are caught, marked, and released Later 100 trout are caught and 10 of them are marked Estimate the total population by mark recapture**

ANSWER

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8 **A food chain has 10000 units of energy at producers, about how many units reach secondary consumers at ten percent transfer per level**

A 100 units

B 1000 units

C 10 units

D 10000 units

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9 **In an energy pyramid, primary consumers receive about ten percent of producer energy, so if producers have 5000 units, primary consumers receive about**

- A 50 units
- B 500 units
- C 5000 units
- D 4500 units

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10 **A population doubles every 20 years starting at 1000, after 40 years with no limits it would reach**

- A 2000
- B 3000
- C 4000
- D 8000

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ANSWER KEY

1. B
2. C
3. D
4. A
5. B
6. C
7. 400
8. A
9. B
10. C

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