ALASKA BIOLOGY · UNIT 3 · 10 QUESTIONS

Evolution and Diversity — 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

Coevolution occurs when two species influence each other over time An example is a flower and its

- A Rock
- B Pollinator
- C Shadow
- D Soil only

Understand It with Pulse | Flag a mistake

2 **Mass extinction is best described as the loss of a large number of species in a relatively**

A Small area only

B Single generation

C Short period of geologic time

D Single habitat only

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3 **Gradualism proposes that evolution happens mainly through**

A Sudden large jumps

B Small gradual changes over long time

C No changes at all

D Changes in one generation

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4 **A new species of fish in Alaska is found only in one lake It is best described as**

- A Endemic
- B Invasive
- C Extinct
- D Cosmopolitan

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5 **Which group contains organisms with cells that have a nucleus**

- A Bacteria
- B Archaea only
- C Viruses
- D Eukarya

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6 **Reproductive isolation can result from differences in mating season This type of isolation is**

A Geographic

B Behavioral

C Temporal

D Anatomical

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7 **When unrelated species evolve similar traits because they live in similar environments the process is**

A Divergent evolution

B Artificial selection

C Genetic drift

D Convergent evolution

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8 **The three domains of life are**

A Bacteria Archaea and Eukarya

B Plants Animals and Fungi

C Protists Bacteria and Viruses

D Genus Family and Order

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9 **A transitional fossil shows traits of two groups It provides evidence for**

A No change over time

B Evolutionary change between groups

C Extinction only

D Artificial selection

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10

A rock sample starts with 640 grams of a radioactive isotope How many grams remain after three half lives

ANSWER

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ANSWER KEY

1. B
2. C
3. B
4. A
5. D
6. C
7. D
8. A
9. B
10. 80

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