ARKANSAS BIOLOGY · UNIT 3 · 5 QUESTIONS

Evolution and Diversity — Practice Test

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1 **Forested island coastline in Southeast Alaska, green spruce-covered islands in blue water. Biogeography supports evolution because species on isolated islands often resemble species on the nearest**



A Mainland

B Distant continent

C Ocean floor

D Polar region

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Flag a mistake

2 **The fossil record shows that many species in older layers are**

- A Identical to modern species
- B Different from species alive today
- C Only bacteria
- D Only mammals

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3 **Molecular clocks estimate divergence time by counting**

- A Fossil depths only
- B Body sizes
- C Differences in DNA or protein sequences
- D Migration distances

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4 **Coevolution occurs when two species influence each other evolution, such as a flower and its**

- A Predator only
- B Rock habitat
- C Water source
- D Pollinator

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5 **A key innovation, such as feathers, can open new opportunities and lead to**

- A Diversification into new niches
- B Immediate extinction
- C Loss of all variation
- D No change

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ANSWER KEY

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

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