DELAWARE 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** **Which term is defined as follows: the complete loss of a species?**

- A natural selection
- B adaptation
- C extinction
- D variation

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**2** **Which of the following is an example of extinction?**

- A nature favoring better adapted individuals
- B thick fur in a cold climate
- C different beak sizes in finches
- D the end of the dinosaurs as a group

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3 **Which statement best describes extinction?**

A extinction occurs when no individuals of a species remain

B natural selection acts on variation already present in a population

C adaptations arise over generations, not within one lifetime

D variation provides the raw material for selection

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4 **Which term is defined as follows: an ancestor shared by two or more groups?**

A natural selection

B adaptation

C variation

D common ancestor

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5 **Which of the following is an example of common ancestor?**

A the ancestor of humans and chimpanzees

B nature favoring better adapted individuals

C thick fur in a cold climate

D different beak sizes in finches

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6 **Which statement best describes common ancestor?**

A natural selection acts on variation already present in a population

B a common ancestor explains shared traits between groups

C adaptations arise over generations, not within one lifetime

D variation provides the raw material for selection

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7 **Which term is defined as follows: a structure reduced in size and function over time?**

A vestigial structure

B natural selection

C adaptation

D variation

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8 **Which of the following is an example of vestigial structure?**

A nature favoring better adapted individuals

B the human appendix

C thick fur in a cold climate

D different beak sizes in finches

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9 **Which statement best describes vestigial structure?**

A natural selection acts on variation already present in a population

B adaptations arise over generations, not within one lifetime

C vestigial structures hint at past functions

D variation provides the raw material for selection

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10 **Which term is defined as follows: human directed breeding for chosen traits?**

A natural selection

B artificial selection

C adaptation

D variation

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## ANSWER KEY

| | | | | | |
|---|---|---|---|---|---|
| **1.** | C | **5.** | A | **9.** | C |
| **2.** | D | **6.** | B | **10.** | B |
| **3.** | A | **7.** | A | | |
| **4.** | D | **8.** | B | | |

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