Vertebrates II

BIO

Name_____ Class_____ Date_____

1 Which **characteristics** of a population would most likely indicate the **lowest potential** for **evolutionary change** in that population?

A sexual reproduction and few mutations
B sexual reproduction and many mutations
C asexual reproduction and few mutations
D asexual reproduction and many mutations

2 Fish and snakes are very different organisms, yet they have **many similarities**. What is a possible **biological explanation** for the fact that fish and snakes have so many characteristics in common?

A they may have a common ancestor
B they have different DNA
C they both use lungs to breathe
D they both lay eggs

3 When a duck dives into cold water, the **capillaries** in its skin **constrict** and move deeper below the surface of the skin.

This reaction is an example of

4 The **remains** of an organism are shown in the illustration below.

This organism is classified as

A coelenterate

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A mutation
B replication
C meiosis
D mitosis

development

C ovary – delivers nutrients to the embryo
D sperm – transports genetic material

9 Which statement best describes **cellular respiration?**

A It occurs in animal cells but not in plant cells.
B It converts energy in food into a more usable form.
C It uses carbon dioxide and produces oxygen.
D It stores energy in food molecules.

10 Which statement describes all **stable** ecosystems?

A Herbivores provide energy for the autotrophs.
B The populations of predators are dependent on the populations of their prey.
C The number of autotrophs equals the number of heterotrophs.
D Consumers synthesize ATP from light energy.

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Vertebrates II - Answer Key

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A

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C

PREVIEW

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5

C

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D

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B

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