

Standardized Test Prep

Test-Taking Tip

If a test question seems confusing, try rephrasing it in your own words. Rephrasing a question will often allow you to better understand it.

Directions: Choose the letter that best answers the question or completes the statement.

- Which of the following is NEVER true of oviparous fishes?
 - Their eggs are fertilized externally.
 - Their eggs hatch outside the mother's body.
 - They have paired fins.
 - The embryos receive nourishment directly from the mother's body.
 - Their skeletons are made of bone.
- Which of the following indicates how amphibian larvae typically feed?
 - Filter feeders
 - Carnivores
 - Herbivores
 - I only
 - III only
 - I and II only
 - I and III only
 - I, II, and III
- Into which of the following groups can nonvertebrate chordates be classified?
 - Lancelets
 - Tunicates
 - Fishes
 - I only
 - I and II only
 - I and III only
 - II and III only
 - I, II, and III
- A fish is UNLIKE an amphibian in that a fish
 - is a nonvertebrate chordate.
 - has a heart with one atrium.
 - has moist skin.
 - has a nictitating membrane.
 - lacks a dorsal nerve cord.
- Which of the following is in the order Apoda?
 - shark
 - frog
 - snake
 - caecilian
 - lancelet

Questions 6–8 Each of the lettered choices below refers to the following numbered statements. Select the best lettered choice. A choice may be used once, more than once, or not at all.

- | | |
|---------------|-----------------|
| (A) Tunicates | (D) Salamanders |
| (B) Lancelets | (E) Caecilians |
| (C) Fishes | |
- Legless amphibians
 - Organisms that feed through a mouth with no jaws, are thin enough to breathe through their body surface, and do not have a true heart
 - Members of the subphylum Cephalochordata
 - Aquatic vertebrates with fins, scales, and gills

Questions 10–11

An ecologist collected data about the number of frogs that inhabit a certain pond each year. In addition, he collected data about the total amount of rainfall in that area each spring. The data are shown in the table.

Rainfall and Frog Population in Pond		
Year	Amount of Rainfall (centimeters)	Number of Frogs
1995	13	45
1996	20	61
1997	8	33
1998	5	20
1999	23	63

- In what year were the most frogs observed?
 - 1995
 - 1996
 - 1997
 - 1998
 - 1999
- Which statement is best supported by the data?
 - The number of frogs increased each year.
 - The number of frogs decreased each year.
 - The number of frogs increased or decreased based on whether it is an odd or even numbered year.
 - The number of frogs in the pond increased as the amount of rainfall increased.
 - The number of frogs in the pond decreased as the amount of rainfall increased.

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- | | | |
|------|------|-------|
| 1. D | 5. D | 9. C |
| 2. D | 6. E | 10. E |
| 3. B | 7. B | 11. D |
| 4. B | 8. B | |

Writing in Science

In their paragraphs, students should explain how the three groups of amphibians are similar by describing how each group exhibits the general characteristics of amphibians. Then, they should explain how each group is different by describing the features that are used to classify amphibians into three groups, such as body shape, number of legs, presence of tails in adults, and method of movement.

Performance-Based Assessment

Student models will vary but should reflect the structure of the organism and how these structures are adapted to the habitat and behavior of the animal selected.

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