



Trout in the Classroom Open-Note Test

DO NOT WRITE ON THIS PAPER:

Please answer the following questions by marking your answers on the scantron

1. Pennsylvania's State Fish is
 - A. Rainbow Trout
 - B. Trout
 - C. Channel Catfish
 - D. Brook Trout
2. A watershed is a
 - A. Small house in your yard filled with water
 - B. An area of land from which rain and snow drain into a river or a lake
 - C. A pond that drains water from your backyard so it does not flood your basement
 - D. A big river that flows into a lake
3. Water in the Loyalhanna Watershed takes this path
 - A. Loyalhanna River → Kiskiminetas River → Allegheny River → Ohio River → Mississippi River → Gulf Mexico
 - B. Beaver River → Kiskiminetas River → Allegheny River → Ohio River → Mississippi River → Gulf Mexico
 - C. Loyalhanna River → Juniata River → Susquehanna River → Chesapeake Bay
 - D. Gulf of Mexico → Mississippi River → Ohio River → Allegheny River → Kiskiminetas River → Loyalhanna River
4. It is easier to take care of small problems in the headwaters of Loyalhanna River than it is to treat huge pollution problems in the very large Mississippi River.
 - A. True
 - B. False
5. The mission of the Loyalhanna Watershed Association is protecting, conserving, and restoring the Ohio River
 - A. True
 - B. False
6. The mission of Trout Unlimited is to protect and restore North America's coldwater fisheries
 - A. True
 - B. False
7. An alevin is a stage in the Brook Trout's life cycle in which it
 - A. Is a sexually mature female, laying eggs
 - B. Is vulnerable to predators, suffocation, and fungus
 - C. Absorbs its food from a yolk sac
 - D. Is 1-3 inches long

8. Only ____ percent of fertilized eggs reach maturity
 - A. 2
 - B. 10
 - C. 20
 - D. 30

9. Brook Trout are indicators of a(n)
 - A. Unhealthy environment
 - B. Change in the landscape
 - C. Healthy environment
 - D. Warm water stream

10. Within the tank, an air pump supplies the water with oxygen. In nature water absorbs oxygen from
 - A. Aquatic plants
 - B. Wind
 - C. Water flowing over rocks
 - D. All of the above
 - E. None of the above

11. It is Bad If the temperature of the water inside the Brook Trout tank drops too low because
 - A. At lower temperatures, the water holds less oxygen
 - B. Trout digestive process slows
 - C. Trout become very excited jumping out of the water or racing back and forth within the tank
 - D. Trout will display rapid gill movement

12. pH is a scale that measures
 - A. Amount of oxygen in water
 - B. Temperature
 - C. Ammonia
 - D. How acidic or basic a liquid is

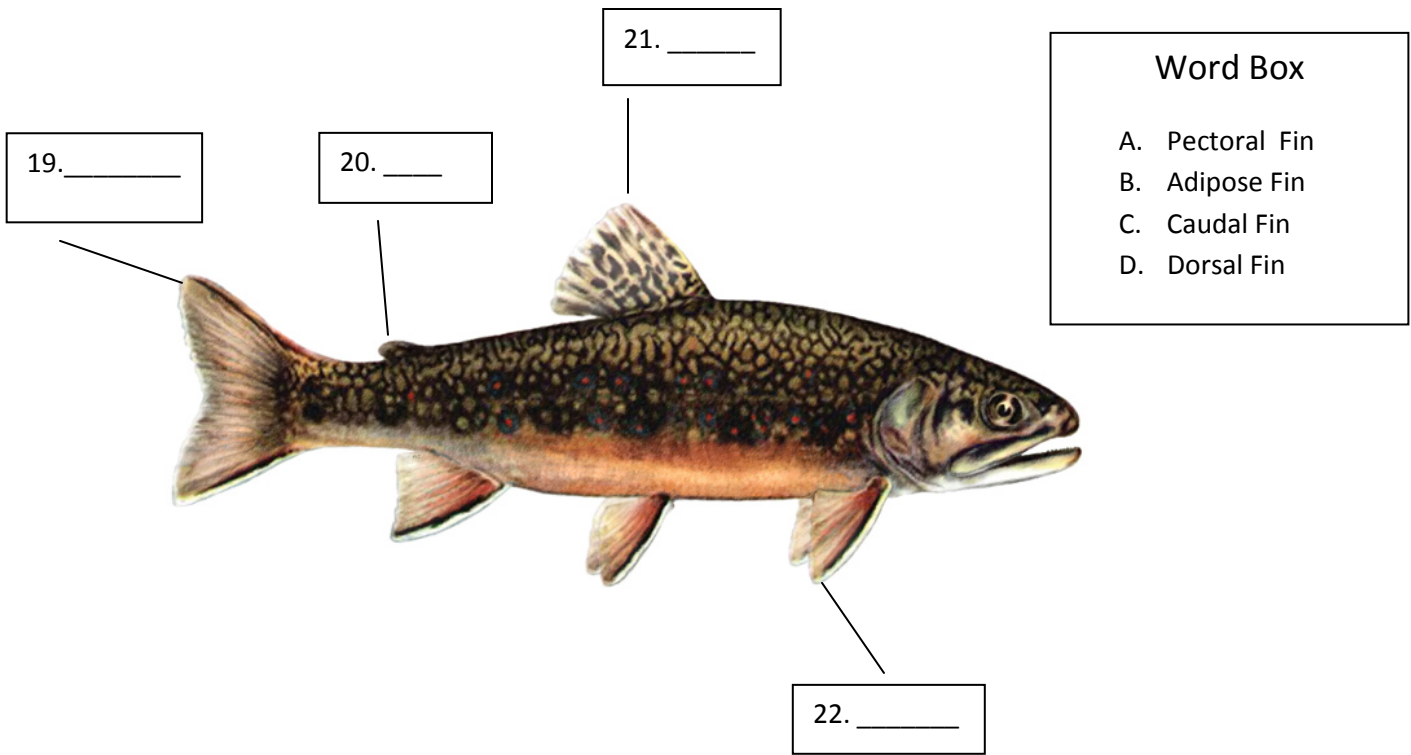
13. Ammonia is added to the water through
 - A. Fish excreta and urine
 - B. Water changes
 - C. Sunlight
 - D. All of the above
 - E. None of the above

14. The pH of lemon juice is
 - A. 2, a neutral liquid
 - B. 2, a base
 - C. 2, a weak acid
 - D. 2, a strong acid

15. Based on temperature streams are divided into 4 categories
- A. True
 - B. False
16. A fish that is intolerant of pollution will
- A. Live in polluted water
 - B. Spawn in polluted water
 - C. Feed in polluted water
 - D. Die in polluted water
17. All of these are examples of fish adaptations EXCEPT
- A. Rows of bony plates covering the body
 - B. Mouth position below the body
 - C. Forked shaped caudal fin
 - D. Torpedo shaped body
 - E. All of the examples are adaptation
18. A swim bladder
- A. Helps a fish balance
 - B. Deflates to help a fish save energy when moving down the water column
 - C. Used as a resonating chamber to produce and receive sound
 - D. All of the Above

Continues →

19-22 Use the diagram and the word box provided to correctly label the fish anatomy



Questions 23-27: Matching

23. _____ Lateral Line

24. _____ Doral Fin

25. _____ Gills

26. _____ Scales

27. _____ Pelvic Fin

A. Respiratory organ

B. Sensory organ

C. Stabilize fish against rolling

D. Protects fish from infection

E. Assists fish with turning sharply

28. The type of macroinvertebrates found in a stream indicates if the stream is healthy or not

A. True

B. False

29. To collect macroinvertebrates from a stream use

A. Electro-fishing

B. Fly Fishing

C. Kick net

D. Trawl net

30. In fly fishing the bait used are

A. imitation flies

B. Night crawlers

C. Minnows

D. Cheese

Answer Key

- | | |
|-------|-------|
| 1. D | 16. D |
| 2. A | 17. E |
| 3. A | 18. D |
| 4. A | 19. C |
| 5. B | 20. B |
| 6. A | 21. D |
| 7. C | 22. A |
| 8. A | 23. B |
| 9. C | 24. C |
| 10. D | 25. A |
| 11. B | 26. D |
| 12. D | 27. E |
| 13. A | 28. A |
| 14. D | 29. C |
| 15. F | 30. A |