

Name:

Class:

Date:

Lesson 12.2: The Aquaculture Industry

Lesson Review

Carefully study the lesson and then answer the following questions.

1. *True or False?* Aquaculture is not really a form of farming but is included in agriculture because of its tie to food production. (12.2.0)

Answer:

2. *True or False?* The United States does not rely on other countries to support our desire for seafood. (12.2.1)

Answer:

3. What is aquaculture? (12.2.2)

Answer:

4. What are the two main types of aquaculture? (12.2.2)

Answer:

5. Why have indoor aquaculture production systems increased in popularity? (12.2.2)

Answer:

Match the term to the definition. (12.2.2)

- A. Fingerlings
- B. Fry
- C. Hatcheries
- D. Marine cages
- E. Net pens
- F. Ponds

G. Raceways

H. Silos

6. Mesh enclosures suspended in a body of water from a rigid structure on the water's surface

Answer:

7. Production facilities focused on breeding, nursing, and rearing fish and other aquatic animals

Answer:

8. Deep round tanks that are usually belowground

Answer:

9. Straight-sided channels typically made of poured concrete or concrete blocks

Answer:

10. Bodies of standing water that are usually smaller than a lake

Answer:

11. Aquatic enclosures with rigid frames on all sides

Answer:

12. Small fish under one year

Answer:

13. Young fish ready to begin eating on their own

Answer:

14. *True or False?* Water quality is generally only a concern in indoor production facilities. (12.2.3)

Answer:

15. *True or False?* Aquatic organisms will take on the approximate temperature of their surroundings. (12.2.3)

Answer:

16. *True or False?* Water temperature has no impact on the feeding habits of aquatic animals. (12.2.3)

Answer:

17. *True or False?* Dissolved oxygen levels are only important in contained systems. (12.2.3)

Answer:

18. What is aeration? (12.2.3)

Answer:

19. *True or False?* It is safe to flow aquaculture wastewater directly into natural water sources. (12.2.3)

Answer:

20. A wastewater recycling system that filters water so it can be reused in the tanks is called a(n) _____. (12.2.3)

A. intensive filtering tank system (IFTS)

B. intensive recirculating aquaculture system (IRAS)

C. combined tank recirculating system (CTRS)

D. recirculating intensive filtering system (RIFS)

Answer:

21. *True or False?* Some countries prohibit the import of aquatic seedstock to prevent the spread of disease. (12.2.4)

Answer:

22. *True or False?* Many fish will grow based on the size of available area. (12.2.4)

Answer:

23. *True or False?* Density increases do not typically cause a rise in the need for increased aeration. (12.2.4)

Answer:

24. Of the following, which type of fish is commonly found in cooler, clear water? (12.2.5)

- A. Catfish
- B. Tilapia
- C. Trout
- D. Salmon

Answer:

25. Which of the following is a type of mollusk? (12.2.5)

- A. Crab
- B. Lobster
- C. Crawfish
- D. Scallop

Answer:

Critical Thinking

1. How could an increased ocean temperature make an impact on the aquaculture industry? Explain your response. (12.2.3)

Answer: