

Name:

Date:

Class:

## Lesson 12.2: The Aquaculture Industry

### Know and Understand

Answer the following questions using the information provided in this lesson.

1. Which country produces the most seafood with aquaculture production? (12.2.1)

- A. United States
- B. China
- C. India
- D. Thailand

Answer:

2. *True or False?* The US aquaculture industry produces enough seafood to meet the demand of American consumers. (12.2.1)

Answer:

3. Which of the following are produced in aquaculture operations? (12.2.2)

- A. Sea vegetables, sport fish, and baitfish
- B. Fish eggs and ornamental fish
- C. Crustaceans, mollusks, and shellfish
- D. All are correct.

Answer:

4. The production of species of aquatic plants and animals that live in the ocean is called \_\_\_\_\_. (12.2.2)

- A. saltwater culturing
- B. fresh culture
- C. mariculture
- D. All are correct.

Answer:

5. Which species is the dominant fish raised in US freshwater aquaculture? (12.2.2)
- A. Bass
  - B. Tilapia
  - C. Catfish
  - D. Trout

Answer:

6. *True or False?* The main reason a producer may choose an indoor aquaculture production system is the level of environmental control. (12.2.2)

Answer:

7. *True or False?* The containers used in freshwater systems are also designed for use in saltwater systems. (12.2.3)

Answer:

8. Straight-sided, concrete channels are called \_\_\_\_\_. (12.2.2)

- A. ponds
- B. raceways
- C. fry channels
- D. hatcheries

Answer:

9. Production facilities focused on breeding and rearing fish, aquatic animals, and plants are \_\_\_\_\_. (12.2.2)

- A. hatcheries
- B. fry ponds
- C. coastal ponds
- D. silos

Answer:

10. The most important component of an aquaculture operation is the \_\_\_\_\_. (12.2.3)

- A. sun exposure

- B. water quality
- C. size of the ponds
- D. aeration equipment

Answer:

11. *True or False?* Producers have little or no control over the water source in open-water systems. (12.2.3)

Answer:

12. *True or False?* Most aquatic organisms tolerate rapid temperature changes. (12.2.3)

Answer:

13. *True or False?* A dissolved oxygen level over the recommended level will not harm aquatic life and affect water quality. (12.2.3)

Answer:

14. *True or False?* Most pest and disease issues can be avoided by maintaining water quality and monitoring stock regularly for disease. (12.2.4)

Answer:

15. *True or False?* Crustaceans have an exoskeleton that they molt. (12.2.5)

Answer:

16. The careers related to aquaculture \_\_\_\_\_. (12.2.7)

- A. are year-round, hourly wage positions focused on rural coastal communities
- B. are often found at local docks, boatyards, and fish-processing facilities
- C. typically do not require a college degree
- D. All are correct.

Answer:

17. What is the difference between stocker fish and baitfish? (12.2.2)

Answer:

18. Identify four factors that affect water temperature in an open-water system.  
(12.2.3)

Answer:

19. Explain how higher stocking rates affect an aquaculture production operation.  
(12.2.5)

Answer:

20. How does the anadromous life cycle of salmon work? (12.2.5)

Answer:

21. How does the feed efficiency of fish compare to that of other livestock animals?  
(12.2.6)

Answer: