

# Floating Classroom Program Pre/Post Test

Grades 4-7

**Directions:** Circle the letter of the **most** correct answer.

1. Plankton are \_\_\_\_\_.
  - A. plants and animals that live in the sea
  - B. **mostly** so small you need a microscope to see them
  - C. sometimes as large as a jellyfish
  - D. all of the above
  
2. Some seawater looks green because \_\_\_\_\_.
  - A. it is polluted
  - B. it contains lots of fish swimming in circles
  - C. it contains billions of tiny green plants
  - D. all of the above
  
3. Seawater tastes salty because it has **how much** salt dissolved in it?
  - A. one to two tablespoons (15-30 grams) in each liter
  - B. about one cupful (240 grams) in each liter
  - C. one pound (454 grams) in each liter
  - D. none of the above
  
4. To make sure enough young survive to adults **most** sea creatures \_\_\_\_\_.
  - A. lay their eggs in a cocoon
  - B. hide their eggs in underwater caves
  - C. produce (spawn) thousands or even millions of eggs per adult
  - D. all of the above
  
5. All living things – plants, animals, and bacteria – have *adaptations* which help them \_\_\_\_\_.
  - A. stay warm and comfortable
  - B. keep them out of the rain
  - C. survive so they can reproduce
  - D. all of the above
  
6. Worms and clams which live in sand and mud bottoms are often studied to learn if a bay is polluted. Why study these animals instead of fish?
  - A. They have a special kind of blood which turns purple if pollution is present
  - B. All pollution ends up on the bottom of the bay where they live
  - C. They cannot easily move to another place if pollution is present
  - D. All of the above

7. Some *adaptations* fish use to help them hide include\_\_\_\_\_.
- A. being flat
  - B. having a dark top and a light bottom
  - C. having stripes or colors which blend in with their surroundings
  - D. all of the above
8. Animals that have skeletons on the outside of their bodies (*exoskeletons*) are called \_\_\_\_\_.
- A. vertebrates
  - B. invertebrates
  - C. insideouts
  - D. all of the above
9. Which of the following correctly describes the water cycle (also called the hydrologic cycle)
- A. Ocean–evaporation–condensation–precipitation–ocean
  - B. Ocean–condensation–precipitation–evaporation–ocean
  - C. Ocean–precipitation–evaporation–condensation–ocean
  - D. Ocean–evaporation–precipitation–condensation–ocean
10. One of the best places for a juvenile (teenage) Texas fish or shrimp to grow up is \_\_\_\_\_.
- A. in the deep Gulf of Mexico, far from shore
  - B. among sea grasses on the bay bottoms
  - C. near coral reefs in the bays
  - D. near the out falls of waste treatment (sewer) plants
11. Plankton which are **not** microscopic in size are \_\_\_\_\_.
- A. jellyfish
  - B. comb jellies (ctenophores)
  - C. floating seaweeds
  - D. all of the above
12. Most newborn fish in the ocean are too small to be seen without a microscope.
- A. true
  - B. false
13. Many sea creatures, like barnacles and oysters, live their entire lives on the very spot where they first settled as a baby. These animals are called \_\_\_\_\_.
- A. night feeders
  - B. water feeders
  - C. slime feeders
  - D. filter feeders

14. Most ocean plants are tiny. This helps them \_\_\_\_\_.
- A. avoid being eaten
  - B. remain near the surface where sunlight is brightest
  - C. avoid pollution
  - D. all of the above
15. The most common animal plankton (*zooplankton*) found in Texas bays is called a \_\_\_\_\_.
- A. isopod
  - B. copepod
  - C. amphipod
  - D. tetrapod
16. Blue crabs have \_\_\_\_\_.
- A. one pair of legs adapted for swimming
  - B. one crusher claw and one ripper claw
  - C. different belly shapes for males and females
  - D. all of the above
17. Flounders \_\_\_\_\_.
- A. are flattened top to bottom
  - B. are dark on top and light on the bottom
  - C. have both eyes on the same side of their bodies
  - D. all of the above
18. Dolphins are different from fish because dolphins \_\_\_\_\_.
- A. breathe using lungs instead of gills
  - B. give birth to one or two live young instead of millions of eggs
  - C. have smooth skin without scales and just a little bit of hair
  - D. all of the above