



What factors influence a marine food web?

Name: _____

Pre/Post Test

Multiple Choice: Choose the option that best answers the question or completes the statement on the line provided.

- _____ 1. In what ocean is the Cordell Bank National Marine Sanctuary located?
 - a. Atlantic
 - b. Arctic
 - c. Pacific
 - d. Indian

- _____ 2. Which of the following is an example of a marine mammal?
 - a. Black-footed Albatross
 - b. Decorator Crab
 - c. Yellowtail Rockfish
 - d. Humpback Whale

- _____ 3. Krill would be classified as which one of the following:
 - a. Phytoplankton
 - b. Marine Mammal
 - c. Zooplankton
 - d. Migratory Bird

- _____ 4. A sea lion would be considered:
 - a. Primary producer
 - b. Primary consumer
 - c. Autotroph
 - d. Secondary consumer

- _____ 5. Which of the following is not a physical measurement of the ocean environment:
 - a. Conductivity
 - b. Salinity
 - c. Primary Productivity
 - d. Temperature

- _____ 6. A migratory bird
- stays in the same place all year round.
 - travels to one location and remains there year round.
 - travels every month to a new location.
 - travels to feeding grounds for the winter then to breeding grounds for the summer.



Figure 1

<http://cordellbank.noaa.gov/environment/seasons.html>

_____ 7. Using Figure 1 during the spring/summer months what **causes** an increase in nutrients available on

the continental shelf?

- Wind
- Upwelling
- Warm Water
- Cold Water

_____ 8. If there is an increase in abundance of zooplankton which of the following would be expected:

- Decrease in upper trophic level predators.
- No change in upper trophic level predators.
- Increase in upper trophic level predators.

_____ 9. Which of the following combination of factors results in Cordell Bank's very productive offshore area?

- Warm water, low nutrients and underwater topography.
- Cold water, high nutrients underwater topography.
- Mixing water, low nutrients and underwater topography.
- Warm water, high nutrients and underwater topography.

Matching: Using the word bank match the piece of equipment or sampling method with its function.

CTD Logger

Fluoremeter

Hoopnet

Tucker Trawl

Flying Bridge

Observation

Transect

_____ 10. Used to infer the amount of chlorophyll present

_____ 11. Used to sample krill in the water column

_____ 12. Count the number of migratory birds or marine mammals

_____ 13. Sampling area

_____ 14. Measures conductivity, temperature and depth

_____ 15. Used to sample zooplankton