

Biology 527 (527L, 592L)
Biology of Pelagic Organisms

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San Pedro Fish Market Survey (50 pts)

We are lucky to close to major market centers in southern California. We can use every day experiences to gain more insight and knowledge for a particular topic, in this case, pelagic organisms. Although the primary focus of these market places is to provide products, food or entertainment to the general public, they also provide great opportunities for marine education for university-level students to examine (and sample) some marine organisms in a setting in which they can be easily observed.

We will meet at the San Pedro Fish Market just before 2:00pm on Wednesday February 13. You will visit several of the seafood markets to learn more about the biology of pelagic organisms. This report will account for a maximum of 50 pts towards your field grade in this course.

Directions: Begin by reviewing the physical characteristics for planktonic versus nektonic organisms and invertebrate and vertebrate organisms. Note the characteristics of each (how do you know an organism is planktonic or nektonic, etc.). provide examples (the common names) of the representative organisms. Lastly present a complete taxonomy of 2 invertebrate pelagic organisms and 1 vertebrate pelagic organism observed at the fish market. Digital photos may be included, but are optional.

Your Field Trip Account must include the following:

- 1) Key characteristics for planktonic organisms;
- 2) Key characteristics for nektonic organisms;
- 3) Key characteristics for observed invertebrate organisms;
- 4) Key characteristics for observed vertebrate organisms;
- 5) Complete taxonomy for 2 invertebrate pelagic organisms
- 6) Complete taxonomy for 1 vertebrate pelagic organism, and lastly;
- 7) Summary of markets visited, diversity of organisms observed, approximate abundance of organisms, as well as any information about marine organisms purchased/sampled during your trip.

The assignment is to be **typed** using double-spacing and is to be **stapled** neatly in the upper left-hand corner - **NO FOLDERS**.

This assignment is DUE February 20, 2008
HAVE FUN, LEARN A LOT, & GOOD LUCK !!!!!!!!!!!