Oceans Alive Web Quest

***Introduction***  
 Congratulations! You are the lucky student who has been chosen by your school to go on an underwater voyage with marine biologists! You have lots of interesting things ahead to see and do.  
Get ready to get wet!  
  
***Task*** By the end of this web quest, you will make a four entry journal related to the layers and animals of the ocean, research and draw an ocean animal of your choice.   
  
**Part One: Layers of the Ocean Section**  
  
***Process*** It will be your job to keep a journal of the different facts that you learn on your trip.   
 You arrive at the Marine Institute and the scientist tells you, "We are going so far down we must use a special vessel to get down that deep. It is called a deep-sea submersible." Remember it is your job to keep a thorough journal of your trip.”  
  
***Entry One*** The first thing that you must record in your journal is the different layers that you go through as you make your way down to the bottom of the ocean.  
  
<http://www.seasky.org/deep-sea/ocean-layers.html>  
  
***Entry Two*** The types of animals that you encounter will change with the different layers of the ocean that you pass through. Record in your journal the different types of animals found within each of the different layers.

<http://www.nhptv.org/natureworks/nwep6c.htm>

***Entry Three*** Have you noticed how much sunlight is getting through to each of the layers? In this entry you should talk about the amount of sunlight that is found within each of the layers.  
<http://www.nhptv.org/natureworks/nwep6c.htm>  
***Entry Four*** You have reached the bottom of the ocean. What types of creatures live here? How are they able to survive without sunlight? What is it like here on the ocean floor?  
  
<http://pubs.usgs.gov/gip/dynamic/exploring.html>  
  
<http://www.seasky.org/deep-sea/deep-sea-intro.html>  
  
**You Made it Back!**  
 I hope your journey was a successful one! Now that you have learned about the layers of the ocean and some of the animals found in the different layers of the ocean, you should pick your favorite animal and try to learn more about how they live.   
  
**Part Two: Animals of the Ocean Section**  
***Introduction*** Living in the ocean are many animals. You will investigate one of these animals and where it lives. Some questions to think about: Are they safe in the ocean, what do they eat, what eats them and how long have they been around?  
***Task*** Ready, set, dive!! We are building an aquarium of ocean animals for our town. You will investigate what your animal looks like, where your animal lives, what it eats, and who eats it! What will your animal need to live and be happy?   
***Process*** 1. Choose an [ocean animal](http://www.schenectady.k12.ny.us/users/title3/Future%20Grant%20Projects/Projects/ocean/animalchoices.htm). Tell Mrs. MacGregor your choice. First come, first served! Collect information about your animal. You may use other sources AFTER you have used this one.   
 2. Draw a picture of the tank that your animal will live in. Use color.

3. Include directions for taking care of your animal.

**Part Three: Final Class Project Section**  
***Task***Your task is to show the characteristics of your animal and the layer (zone) which it lives in. You will draw a picture of your animal and will place it on a class mural.   
***Process***1. Group yourselves into teams according to the ocean layer in which your animal lives.   
  
2. Team members will work together to create a mural of their ocean layer including their animals and habitats.  
  
3. After all teams finish their part of the mural, all teams will put their layers together to form a class mural.   
  
4. You will receive a grade for the correctness of the drawing you place on the mural. You will also be graded on how you worked with others during this part of the project.  
  
***Evaluation***  
  
Click here to see the [rubrics](http://calhoun6563.viviti.com/rubrics) you will be graded with for each assignment.   
  
***Conclusion***  
Now that you have explored the depths of the ocean, you should have a more complete picture of the layers of the ocean - the pelagic zone, benthic zone, abyssal zone, and intertidal zone. Each zone is full of life and has much to offer the world. 