This exercise replaces your quiz and homework grade (15 pts.) for the Animal Diversity lab. You should first read through the Animal Diversity section of your lab manual to familiarize yourself with the topic. The first part of the make-up consists of several questions and is worth 10 pts. All responses must be typed in YOUR OWN WORDS and in COMPLETE SENTENCES. The second part of this makeup assignment is an essay worth 5 points. See instructions on the next page. If you have any questions, feel free to contact your TA.

1. (1 pt.) What are the seven main categories in the Linnaean hierarchy?

2. (1 pt.) Choose two of the following five species and write down their full classification using the seven categories you listed in your answer to question 1: Amazonian manatee, American lobster, common octopus, manta ray, and Portuguese man-of-war. For help, compare with the example in the lab manual.

3. (1 pt.) Explain in one or two sentences each of the seven major animal characteristics listed in Table 2 of the lab manual.

4. (2 pt.) Compare the six phyla covered in the lab with respect to the characteristics listed in Table 2. Write up your comparison in a short paragraph, stating which characteristics are shared by which phyla and which are unique to them.

5. (2 pt.) In a brief paragraph, describe how animals in the following phyla obtain their food – Porifera, Cnidaria, and Mollusca.

6. (1 pt.) Define the term ‘endotherm’. Of the vertebrate classes covered in the lab manual, which are endothermic?

7. (2 pt.) What effects would environmental changes such as rising water temperature and available sunlight have on the marine food web?
Make-up Assignment Essay: ANIMAL DIVERSITY

The following constitutes the essay portion of your lab make-up. Your essay will be worth up to 5 points. Basic guidelines for this essay are listed below.

TOPIC:

Describe 3 different animal species found in Connecticut that are currently threatened or endangered. For each species, explain what has caused their populations to be pushed to endangered levels (specific threats).

Guidelines for Writing the Lab Essays

Please note: Your grade will be reduced if these guidelines are not followed.

1. Everything must be on one page only, single-sided, NO exceptions!

2. Must include your Name, Lab Section Number and the Title (the question or assigned topic) at the top.

3. 300-350 words, not including Name, Lab Section, Title or References.

2. Single-spaced

3. Typed

4. 12-point font size

5. Must use Times, Times New Roman, or Arial font style

6. Everything must be stated in your own words. Do not plagiarize!

7. Must include at least Two References Cited (only one of which can be Wikipedia).