

Research Paper

Plan your work carefully because you must take regular field samples. See skylinecollege.edu/case for more information. (100 points)



1. Title page (1)
2. **Six** (no more and no less) content pages. The text should consist of a student-worDED analysis of your research during long hours in a library and at the spring.
 - a. Bimonthly data. (15)
 - b. Construct a food chain for the pond. (10)
 - c. Graph one or more of the biological parameters against a physical factor or another biological factor. (5)
 - d. Explain the relationship between the factors that you graphed. (10)
 - e. Discuss the importance of the spring. (5)
3. Read about the organisms you identified and answer the following questions:
 - a. Identify two predators from your food chain: _____ & _____
Contrast the two predator types (e.g., speed, camouflage, stealth). How do they avoid competing with each other? (10)
 - b. Identify some prey defenses, using specific examples from your food chain. (10)
 - c. Identify two herbivores from your food chain: _____ & _____
How do they avoid competing with each other? (10)
4. Literature cited page*. Include 5 references in correct format. (10) You must use at least 3 journal articles; all references may not be books and websites. References must be cited somewhere in the content. Do not include references prior to 1980.
5. Three figures on separate pages.
 - a. Each figure must have a legend.
 - b. Refer to each figure in the body of the text.
 - c. Figures can include (one) photograph or picture of the animal; chemical formulae; metabolic pathways; phylogenetic tree; food chains; calculations; graphs. (9)
6. Typed, double spaced.
7. General form: (5)
Attach this page to your report.
Followed all directions explicitly with no exceptions.
Presentation is neat and orderly throughout.
Spelling and grammar are faultless.