

Name \_\_\_\_\_

Date \_\_\_\_\_

## Is our water healthy?

After collecting your baseline data and your follow-up data, create a lab report using the following guidelines.

Title: Create a title for your project

Abstract: Summarize your research and findings in a paragraph.

Introduction: Explain the background of your project, and the reason you decided to conduct your research

Methods: Describe your sampling and analysis methods; how did you collect data, how often did you collect data, what tools did you use, how did you compile your results

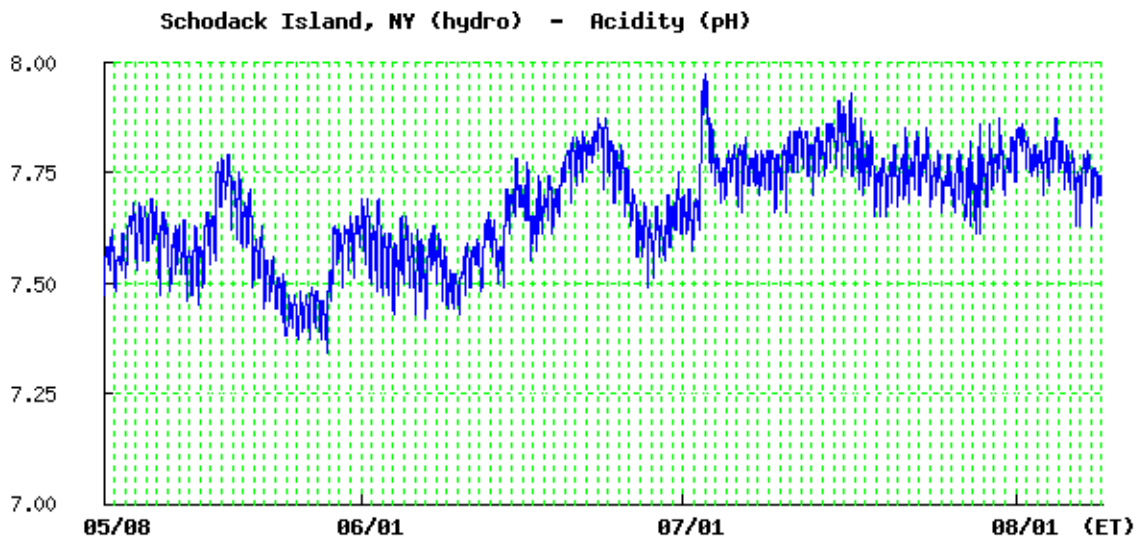
Results: Place any graphs or data tables in this section and briefly describe what you found

Discussion: Synthesize the information you learned and include answers to the questions below

Conclusion: Briefly conclude your report

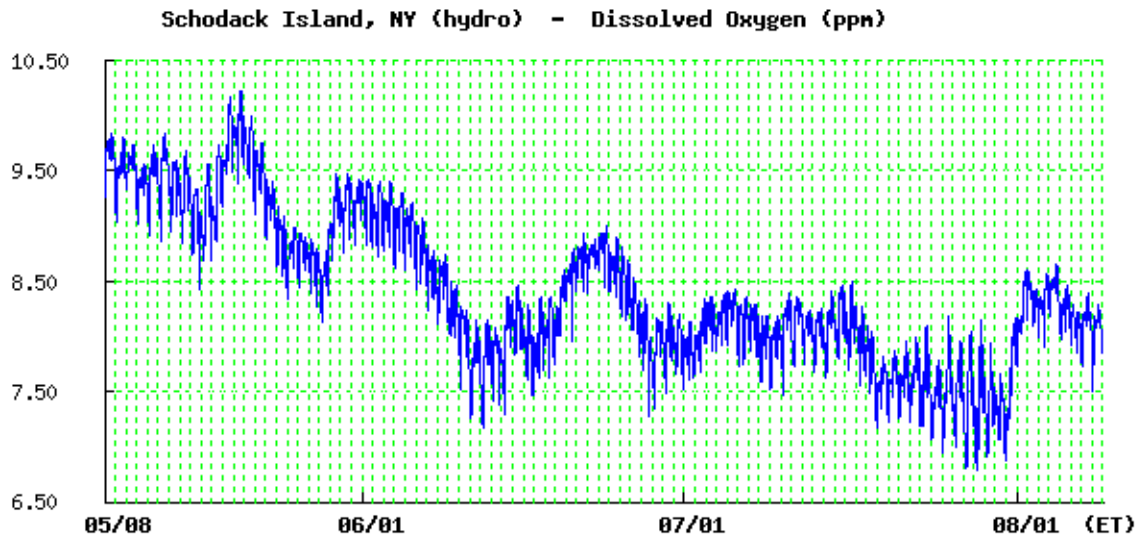
### Questions to answer:

1. What were the major changes in the stream, according to your data?
2. What other changes took place, based on your classmates' data?
3. Use the graph below to answer the following question.



The graph shows the pH levels at Schodack Island, which is near Albany, NY. How do these data compare with the pH data collected by your class? If it is different, explain why.

4. Use the graph below to answer the following question.



- The data above shows dissolved oxygen data from Schodack Island, which is near Albany, NY. How do these data compare with your class results? If it is different, explain why.
5. What do you think would create a 'break' in the system versus a 'bend'? That is, how much pollution could your aquatic ecosystem tolerate? You may have to do some outside research in order to answer this question effectively.
6. How should future changes be mitigated?