Name _____ Date _____

Storms and Streams

After collecting your baseline data, filling in your hypothesis worksheet, and collecting your post-storm 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 your 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 on the stream, according to your data?
2. What other changes took place, based on your classmates' data?
3. What amount of precipitation did you receive during the storm? How does this compare with a typical month in your area? Research online to determine average precipitation amounts.
4. How much precipitation would create a 'break' in the system versus a 'bend'?
5. With a changing climate, the Northeast is expecting 20-30% more winter precipitation in the form of rain, earlier spring peak flows, and extended low-flow periods in the summer as well as an increase in the likelihood and severity of damaging rainstorms. What effects would this have on your stream?
6. How should future changes be mitigated?

Reference: Frumhoff, P.C., J.J. McCarthy, J.M. Melillo, S.C.Moser, and D. J. Wuebbles. 2007. "Confronting Climate Change in the U.S. Northeast." A report of the Northeast Climate Impacts Assessment.