Aquatic Macroinvertebrate Project Final Report

Biology

This report is an individual assignment. It should be typed in Google Docs and submitted through Showbie using your Corvallis School District login. Your work should represent your own thoughts and writing. Citations are not necessary unless you used a unique source to provide specific information that is not generally common knowledge. Each section should be titled as shown and all writing should be in complete sentences, using proper grammar and spelling, and your paper should be in paragraph format. Include all of the information requested for full credit.

Introduction

Describe the project we are currently doing. Make sure to give as much detail as you can about the purpose of the project, the information we have been studying, and how it relates to ecology in general. You should also give a brief visual description of the creek in the area where we placed our brick packs. Your introduction should include the following terms: diversity, ecology, macroinvertebrate, and pollution tolerance.

Methods

Discuss the specific instructions you used to create your brick packs and how we determined the locations where they were placed. Using the Stream Macroinvertebrates book, briefly describe the types and names of some of the organisms we might find when we examine our brick packs. In simple terms, explain how you might analyze the data we collect.

Data

After collecting and counting macroinvertebrates, enter your data into a Google Sheets spreadsheet for analysis. You should include columns for the location of the brick pack (fast/shallow or slow/deep water) and organism counts. Your data table should be neat, clean, and professionally formatted.

Discussion

Analyze your data by using a t-test. You will need to calculate the overall diversity of your samples and the overall pollution tolerance levels in added columns to your spreadsheet. All of the class data will be included in the analysis in order to increase the likelihood of meaningful results.