Sweating, Sports Drinks, and Biology Lab

In this lab we will focus on methodology. You will need to use Microsoft Office Word or Apples iWork to complete this assignment. For this lab you need to e-mail in to [adam.lundquist@nn.k12.va.us](mailto:adam.lundquist@nn.k12.va.us), or [adam.lundquist.04@cnu.edu](mailto:adam.lundquist.04@cnu.edu), or through EnGrade.com a word document that contains the following information. The rubric is on the adjacent page.

On the first line of the document put your partners and your name.

Title:

* On the second line of the document put your title
* Your title should be scientific and define the variables you tested.

Paragraph

* Your paragraph should detail the methods of your experiment
* Your methods should be concise, giving only an over view of the steps taken. You should only go into precise detail of methods that are unique or not common.
* Your procedures should be repeatable by the instructor or other researchers in the class.

SAVE YOUR FILE AS: BIOL\_your-last-name\_time-the-class-meets-in-military-time  
so If I were to save my data it would look as follows, if my class met at 10pm: BIOL\_Lundquist\_2000

Each section is worth up to 5 points.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **5** | **4** | **3** | **2** | **1** |
| **Name and File** | Correct location & file name | Name is present but in wrong location, or file had to be renamed | Name is missing | Name is present but in wrong location, **&** file had to be renamed | Name is missing, **&** file had to be renamed. |
| **Title** | Describes the variables of the lab | Title allows one to guess what variables were tested | Title is exactly as given in the text | Title is frivolous | No title |
| **Concise** | No excessive detail present | Some excessive detail was given | Most details are given  (ie: we used 250mL of blah blah blah) | Every detail is given  (ie: average was found by taking the sum and…) | A bulleted list of instructions |
| **Repeatable** | Experiment can be reproduced | Experiment can be produced if given the text | Experiment could be reproduced if student was present | Experiment would be difficult to reproduce unless the student did it themselves | Doubtful that the experiment could be reproduced with similar results |
| **Formatting** | Typed, double spaced, Calibri font, 1” margins | 4 of the 5 specification are met | 3 of the 5 | 2 of the 5 | <1 of the five |