**Water Quality Lab Rubric**

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| **SECTION** | **POINT VALUE** | **VALUE EARNED** |
| ***General***: Full Name LegibleTitle of Lab Relevant to LabDate of Lab Investigation EvidentLab Sections Clearly DefinedLegible FontAppropriate FormattingGrammarWritten in paragraph form (not numbered) | 11111111 |  |
| ***Abstract***: Explains the purpose of the labIncludes general overview of labIncludes major findings of report | 222 |  |
| ***Introduction***: Answers all of the following: * Why rain is slightly acidic
* Why oxygen demanding wastes are pollutants
* How BOD and DO relate
* How sedimentation occurs
* Impact of sedimentation on aquatic species
* Impact of water temperatures on aquatic species

Is well constructed/has good flowExplains the importance of the lab with relation to measuring water quality  | 11111122 |  |
| ***Data Table:*** Includes all data for Test ResultsIncludes all Quantitative & Qualitative Values | 1913 |  |
| ***Calculations***:Includes calculation for WQI – formula & answerIncludes calculator for CVI – formula & answer | 33 |  |
| ***Conclusion***:Answers the following: * Clearly states water quality rating
* Explains overall pond assessment related to WQI
* Explains what test has greatest impact on WQ rating
* Indicates realistic source for high nitrate levels
* Explains realistic sources of high turbidity
* Identifies two causes of a high temperature differences
* Indicates a problem associated with high temperatures
* Explain why fecal coliform was not tested for
* Explains importance and results of iron test
* Explains importance and results of copper test
* Explains importance and results of alkalinity test
* Explains importance and results of hardness test
* Explain why indicator species are important
* Explain why indicators are a good measure of WQ
* Compares WQI with Cumulative Index Value

Is well constructed/has good flowExplains the importance of the results with relation to water quality  | 12212212222222222 |  |
| ***Sources/Bibliography:***Proper citation format (APA)Cites Lab WorksheetCites Reference for indicator speciesCites Reference for chemical testsCites other sources used (1 point for each additional source up to 3 sources) | 11113 |  |
| TOTAL | 100 |  |

**The lab should be handwritten in blue or black ink. Only graphs and data tables may be printed.**

**Formal lab report paper MUST be handed in before the bell rings for the start of the period on Monday, December 11, 2017.**