**AP Biology Lab Report Rubric**

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| **Introduction (22 points)** | | |
|  | 10 | 7 | | 5 | 3 | 2 | 1 | 0 |
| Title Page |  |  | |  |  | Present |  | Absent |
| Includes Sources (in-text citations) |  |  | |  | 3 sources included | 2 sources included | 1 source included | 0 sources included |
| Introduction covers the concepts that will be covered in the lab | Introduction is present, covers all of the concepts, and all concepts are covered correctly | Introduction is present and covers all of the concepts but is either partially incorrect | | Introduction is present but does not cover all of the concepts of the lab or it does cover the concepts but all concepts are incorrect |  |  | Introduction is present but does not cover the concepts | Introduction is either absent |
| Hypothesis is stated for each section |  |  | | Hypothesis is stated for both the given lab and extension (if applicable) |  | Hypothesis is given for either given lab or extension but not both |  | No hypothesis is given |
| Lab Purpose is stated |  |  | |  |  | Purpose of the lab is stated |  | No purpose is stated |

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| **Materials and Methods (10 points)** | | | | | | |
|  | 5 | 4 | 3 | 2 | 1 | 0 |
| Written in paragraph format |  |  | Written in paragraph format and with complete sentences | Written in paragraph format but with incomplete sentences | Written in complete sentences but is in a bullet or number format | Written in a non-sentence format. |
| Materials are listed for each experimental setup |  |  |  | All materials are included in the write up | Some of the materials are included in the write up | No materials included in the write-up |
| Procedure | All steps are included, they are easy to follow, and explanations for why steps occur are included | All steps are included, they are easy to follow but no explanations are included as to why a step occurs | More than ½ of the steps are included but some are missing. | More than half of the steps are missing. | Only 1 step for a procedure is included | No procedures included |

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| **Data (20 Points)** |  |  |  |  |  |  |
|  | 5 | 4 | 3 | 2 | 1 | 0 |
| Charts | All charts present, they are labelled properly and have a caption under then | All charts are present but are either unlabeled or are missing a caption | All charts are present but are both unlabeled or missing a caption | Missing 1 chart | Missing 2 or more charts | No charts present |
| Graphs | All graphs present, they are labelled properly and have a caption under then | All graphs are present but are either unlabeled or are missing a caption | All graphs are present but are both unlabeled or missing a caption | Missing 1 graph | Missing 2 or more graph | No graphs present |
| Explanations | All data is written in paragraph form with references back to the charts and graphs | All data is written but there are no references back to charts and graphs | Most of the data is written but not all | Some of the data is written but most is not | One graph or chart written but no others (unless there is only 1 graph or chart) | No written paragraphs |
| No explanations given | No explanations that explain why the data was received. |  | 1 explanation given for the data received |  |  | 2 or more explanations given for the data received |

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| **Analysis (30 points)** |  |  |  |  |  |  |
|  | 15 | 12 | 9 | 6 | 3 | 0 |
| Explanations given | Explanations given for all sections including the extension if applicable, of the test, proper vocabulary is used. All explanations are correct. Statistics used correctly to determine if the hypotheses are accepted or rejected | Explanations are given for 1. Most sections of the test but not all or 2. No vocabulary is used or 3. Some of the explanations are incorrect or 4. Statistics are interpreted incorrectly | Explanations are given for most sections and some of the explanations are incorrect | Explanations are missing for 2 or more sections of the lab. The explanations may be correct or incorrect | Explanations are all incorrect | No analysis is given for the lab. |
| User error |  | Students explain why they may have received abnormal results completely with logical explanations | Students explain why they may have received abnormal results but not all explanations are logical | Students explain some abnormalities but the explanations don’t make sense | Student explain a couple abnormalities but the explanations don’t make sense | Students don’t explain abnormalities in the data |
| Statistics |  |  |  |  | Statistical values are included where applicable | No statistics included when they need to be |

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| **Formatting (18 points)** |  |  |  |  |  |  |
|  | 7 | 5 | 4 | 3 | 2 | 0 |
| Formatting |  | Paper is typed, double spaced, 12 point font |  | Paper is either not double spaced or 12 point font |  | Paper is not typed |
|  |  |  |  |  | All paragraph are left side aligned | Not all paragraphs are left side aligned |
| Section Headings |  |  | All sections are separated by a heading |  | 1 or more section headings missing | No section headings |
| Works Cited included | All works cited with proper MLA or APA formatting |  | All works cited but formatting is not MLA or APA |  | Only website addresses are given | No works cited |