3.2.4 Rubric

Key:

Laboratory Journal

Separate Item

Lab/Project Grade:

|  |  |  |
| --- | --- | --- |
| Item | Step | Points |
| Experimental Design Presentation | Part 3 #8 | 10 |
| **Total** | | **10** |

Homework Grade:

|  |  |  |
| --- | --- | --- |
| Item | Step | Points |
| Pre-Lab Questions | Part 1 | 10 |
| Standard Reaction Table | Part 2 | 10 |
| 3.2.4 Conclusion Questions (#1-6) | N/A | 12 |
| **Total** | | **32** |

Test Grade:

|  |  |  |
| --- | --- | --- |
| Item | Step | Points |
| Experimental Design Report  (See below for breakdown) | Part 3 #1-7 | 25 |
| **Total** | | **25** |

| Components | 5 Points |
| --- | --- |
| Experimental problem or Question | The research problem is stated and is specific and measurable |
| HYPOTHESIS | Presents a clear prediction of the anticipated results. Is a single sentence that clearly indicates the independent and dependent variables. |
| MATERIALS and METHODS | Has all materials listed.  Has the step-by-step process laid out exactly as done by the student. Has sketches, photos, schematics, equations, etc. shown where appropriate. Has all procedures explained in detail and written in the third person. |
| RESULTS | Provides an accurate and complete presentation of the results using equations, tables, drawings, etc. Has all units of measurement indicated and accurate. |
| CONCLUSION | Presents a clear final summary statement that directly relates to the hypothesis. Has possible erros and explains suggestions for improvement. |
| Total | /25 |