|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Excellence | Good work | Basic work | Insufficient work | Comments |
| Title page | All six elements are present:   * Title * Date * Name * Partner(s) name * Class * Teacher | Five elements are present:   * Title * Date * Name * Partner(s) name * Class * Teacher | 4 elements are present:   * Title * Date * Name * Partner(s) name * Class * Teacher | Less than 4 elements are present:   * Title * Date * Name * Partner(s) name * Class * Teacher | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Problem | Your problem is stated as a **question** that you will attempt to answer using the *Scientific Method*. It includes all variables. It also includes minimum 5 controlled variables.(manipulated, responding and controlled) | Your problem is stated as a **question** that you will attempt to answer using the *Scientific Method*. It contains only 3 or 4 controlled variable. (manipulated, responding and controlled) | Your problem is stated as a **question** that you will attempt to answer using the *Scientific Method*. It contains manipulated, responding and 1 or 2 controlled variables. | Your problem is NOT stated as a **question** that you will attempt to answer using the *Scientific Method* or it is one of the variables. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Hypothesis | A hypothesis is stated, in complete sentence(s). The hypothesis is supported by strong and researched arguments found in 4 or more resources (background information). | A hypothesis is stated, in complete sentence(s). The hypothesis is supported by strong and researched arguments found in 3 resources (background information). | A hypothesis is stated, in complete sentence(s). The hypothesis is supported by strong and researched arguments found in 2 resource (background information). | A hypothesis is, in complete sentence(s) stated. The hypothesis is not supported by resources (background information) . | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Materials + Procedure | Materials are described in specific quantities. The procedure is stated in a step by step fashion. They are specific enough to easily repeat the experiment. | Materials are described without quantities **or** the procedures are general, however stated in a step by step fashion. | Materials are described without quantities **and** the procedures are general, however stated in a step by step fashion. | Materials **and/or** procedures are not stated. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Observations | Observations are organized in a fashion that is easy to understand (chart, table, etc…). They have titles that describe the information. All quantitative or qualitative information is precise. (Units, etc… are present) | Observations are organized in a fashion that is easy to understand (chart, table, etc…). They have titles that describe the information. Units or details are missing. | Observations are present but not organized. Perhaps titles and details are missing. Observations are present but not organized. | No observations are present. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Analysis | Graphs, diagrams, charts are used to organize and demonstrate the meaning of the information gathered. Titles are added to the charts. You analysis is supported by observations and uses scientific vocabulary. | Graphs, diagrams, charts are used to organize and demonstrate the meaning of the information gathered. Titles are added to the charts. You analysis is supported by observations and uses rudimentary vocabulary. | . Graphs, diagrams, charts are used to organize and demonstrate the meaning of the information gathered. Titles are present however a description may be absent. | No analysis is presented. Or the analysis presented, has no obvious meaning or method. Details are missing. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Conclusion | The conclusion is detailed and includes **ALL** the following:   1. A summary of the lab. 2. Possible mistakes 3. Answering your problem. 4. A detailed explanation of your hypothesis. Was it right? Wrong? Why? 5. How is the information analyzed important in real life? 6. How can you extend your project? What’s your next step? | The conclusion is detailed and is **missing 1** of the following:   1. A summary of the lab. 2. Possible mistakes 3. Answering your problem. 4. A detailed explanation of your hypothesis. Was it right? Wrong? Why? 5. How is the information analyzed important in real life? 6. How can you extend your project? What’s your next step? | The conclusion is detailed and is **missing 2** of the following:   1. A summary of the lab. 2. Possible mistakes 3. Answering your problem. 4. A detailed explanation of your hypothesis. Was it right? Wrong? Why? 5. How is the information analyzed important in real life? 6. How can you extend your project? What’s your next step? | The conclusion is **missing 3 or less** of the following:   1. A summary of the lab. 2. Possible mistakes 3. Answering your problem. 4. A detailed explanation of your hypothesis. Was it right? Wrong? Why? 5. How is the information analyzed important in real life? 6. How can you extend your project? What’s your next step? | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

MARK: