**Food Inquiry Lab**

**Peer Assessment**

Peer assessor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of scientist: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- | --- | --- | --- | --- |
| **Curricular Competency** | **No Evidence****0** | **Beginning****1** | **Developing****2** | **Proficient** **3** | **Sophisticated 4** |
| **Questioning and Predicting** |  |  |  | * Your final BIG Question included all parts of your experiment (food items tested, macromolecules tested)
 |  |
| * The hypothesis is worded in an “If, then because” format
 |
| * The “because” section of the hypothesis has a scientific basis
 |
| * The hypothesis does NOT use the word “I, me, he, she”
 |
| * There is evidence of 4 - 5 supporting questions being asked and answered in the BACKGROUND RESEARCH section
 |
| * The background research section contains a summary of macromolecules they are inquiring about AND some specifics that relate DIRECTLY to their question
 |
| * The report has included a bibliography that includes AT LEAST 3 resources that were used for their background research
 |
| **Planning** |  |  |  | * The procedure is DETAILED and would be easy to replicate in DETAIL every time (includes temperature, time, volume)
 |  |
| * The independent variables are listed
 |
| * The dependent variables with UNITS (if needed) are listed
 |
| * There is either a control variable (listed both positive and negative controls), or a list of variables that the scientist needed to control for
 |
| **Conducting Experiment** |  |  |  | * In the SAFETY section, it is discussed what actions need to be taken in order to stay safe (goggles, gloves, masks, disposal of chemicals, calm lab behaviour, labelling, pre-wash)
 |  |
| * SAFETY discusses what actions they took in order to keep their subjects safe (if it involved people)
 |
| * In PROCEDURE, there is a list of the equipment used for the experiment, using proper science vocabulary
 |
| **Analyzing Data** |  |  |  | * DATA section includes all trial raw data in a data table with trial and averages included
 |  |
| * Each data table is numbered and includes a description of the data (ie. Data table #1….)
 |
| * The LIKERT SCALE KEY is included for each dependent variable if necessary
 |
| * Data table is easy to understand/read (5 seconds or less)
 |
| * Student includes a picture or diagram of the test tubes and the results
 |
| * Student includes a 1 – 2 sentence conclusions that states if the data supported the hypothesis or not in the CONCLUSION section
 |
| **Evaluating Process** |  |  |  | * The SOURCES OF ERRORS section has included DETAILED description of other factors out of their control that may have impacted their data
 |  |
| * The SOURCES OF ERRORS includes a reflection on multi-errors that they made in the process and how it might impact their data
 |
| * The FUTURE APPLICATIONS section includes an outline of what they would do differently in their next experiment in order to improve their scientific process
 |
| **Applying Data** |  |  |  | * In the DISCUSSION it is described how the big questions and data will impact society
 |  |
| * In the FUTURE APPLICATIONS section there are three more big questions that will help understand the current topic better.
 |
| **Communicating Experiment** |  |  |  | * All sections of a lab report are included in the correct order
 |  |
| * Student language in their report was easy to follow and understand
 |
| * Student was able to communicate their scientific processes
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What did the scientist do well? List 3 things. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The scientist should fix the following 3 things in their report, in order to improve their report. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_