**Stolen Tuna Crime Scene**

**Laboratory Analysis prepared by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

TYPE YOUR INFORMATION INTO THE BOXES

***Problem***. `

Summarize crime in two or three sentences

***Observations***

LIST each of the five suspects and include two or three FACTS about them from the crime overview (bullet points)

***Prediction/Hypothesis*** one or two sentances

Based on **only the back ground information** who do you think committed the crime? And why?

***Results/Data Analysis***

Use pieces of evidence to support why **EACH SUSPECT** is guilty OR NOT guilty. Remember you have ***powders, liquids, fibers, hairs, finger prints, DNA, observations, and motives.*** Provide *at least two* supportive details.

***Conclusion:*** (in one or two paragraphs answer all of the following)

* Explain whether or not your prediction (from before you analyzed all the evidence) was matched up to your prediction.
* What human or experimental ***errors or mistakes*** occurred during the experiment?
* What could you have done to improve your results?

**Rubric for Crime Scene Analysis**

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| --- | --- | --- | --- | --- |
| **Problem**  **(4 Pts)** | **Observations**  **(4 Pts)** | **Prediction**  **(4 Pts)** | **Data Analysis**  **(8 Pts)** | **Conclusion (4 Pts)** |
| **Expert 4/3.5**  Information is useful in  creating an insightful  hypothesis | **Expert 4/3.5**  3 or more facts written clearly and state obvious and subtle details. | **Expert 4/3.5**  Hypothesis is stated clearly and concisely and is a logical connection between the background information and the purpose. | **Expert 8/7**  Data is present and accurate.  There is a logical connection between the data, observations, and inferences. | **Expert 4/3.5**  Accept or reject the prediction  What errors were made during the experiment?  How can I improve? |
| **Developing 3/2**  •Some of the information will help develop a hypothesis. | **Developing 3/2**  Less than 3 facts written clearly, and state the obvious. | **Developing 3/2**  Hypothesis attempts to  Answer the question stated in the Purpose. | **Developing 6/5/4**  Data is present yet inaccurate  There is an attempt to make a connection between the data and inferences. | **Developing 3/2**  Accept or reject the hypothesis  What errors were made during the experiment? |
| **Novice 1/0**  Very little information  relevant to investigation | **Novice 1/0**  Observations are vague, unclear or incomplete. | **Novice 1/0**  Hypothesis is vague, not  relevant to purpose of  investigation | **Novice 3 /2/1/0**  Data is confusing or not  present at all  There is little or no effort to connect the data to inferences. | **Novice 1/0**  Little or no effort to explain mistakes made during the lab and how this impacted the results. |

**/4 /4 /4 /8 /4**

**Total points: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ divide by 6 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ average level of understanding**