IA2 Student Experiment Draft Feedback

Student Name: Eden Tomes Teacher Name: Mrs Shepherd

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| **PLANNING AND FEEDBACK DOCUMENT** | |  | | **TEACHER FEEDBACK** | | |
| Met to a high standard | Evident but may require refinement | | Evident but needs significant work | Not evident |
| **RESEARCH AND PLANNING** | **Rationale:**  Have you outlined the topic? |  |  | |  |  |
| Have you defined any relevant terms? |  |  | |  |  |
| Have you discussed previous research in this area/expected results? |  |  | |  |  |
|  | Have you written a specific and relevant research question? |  |  | |  |  |
|  | Have you used a selection of sufficient and relevant sources? |  |  | |  |  |
| **METHODOLOGY AND RESULTS** | **Methodology:**  Have you stated the source of the original study (inc. in text reference) that this experiment was based off? |  |  | |  |  |
| Have you summarised the experimental design of the original study? |  |  | |  |  |
| Have you outlined the modifications to the original study? |  |  | |  |  |
| Have you justified why this will refine/extend/redirect the original experiment? |  |  | |  |  |
| Have you collected sufficient and relevant data? |  |  | |  |  |
| Have you outlined the safety and environmental or ethical considerations you took in conducting your experiment? |  |  | |  |  |
| Have you justified the safety and environmental or ethical considerations you took in conducting your experiment? |  |  | |  |  |
| **Results:**  Have you included relevant tables/figures? |  |  | |  |  |
| Are the titles for your tables/figures suitable and in the correct spot with all correct labels and units? |  |  | |  |  |
| Have you performed relevant data processing including sample calculations? |  |  | |  |  |
| Have you identified any trends/patterns/relationships? |  |  | |  |  |
| Have you justified conclusions about trends using data? |  |  | |  |  |
| Have you identified uncertainties and limitations in data, justified with numbers? |  |  | |  |  |

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|  | **Evaluation:**  Have you identified limitations that affect the reliability of the results? |  |  |  |  |
| Have you identified limitations that affect the validity of the results? |  |  |  |  |
| Have you justified the impact of the above limitations on reliability and validity? |  |  |  |  |
| Have you suggested specific improvements to the methodology that would help you to (a) improve reliability of data (b) improve validity of data (c) that flow logically from the limitations. |  |  |  |  |
| Have you suggested extensions to the investigation that could be made to provide further insight relevant to your research question? |  |  |  |  |
| **Conclusion:**  Have you justified an answer to the research question? |  |  |  |  |
| Have you drawn a conclusion based on the evidence from your results? |  |  |  |  |
| **COMMUNICATE** | Have you followed Harvard referencing style (both in-text and in the reference list)? |  |  |  |  |
| Does the reference list start on a new page? |  |  |  |  |
|  | Have you kept data to consistent significant figures and used correct labels, units and uncertainty values? |  |  |  |  |
|  | Have you used an objective and formal writing style? |  |  |  |  |
|  | Have you used correct chemical terminology? |  |  |  |  |
|  | Is your writing fluent and concise? |  |  |  |  |
|  | Is your similarity report under 25%? |  |  |  |  |

**Comments:**

See comments throughout.