**Bannerman High**

**Faculty of Science**

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**N4 Chemistry**

**Assignment**

Student Log Book

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class: \_\_\_\_\_\_\_\_\_

Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Research Stage:**

1.1

a) State the title of your chosen area of research *(Informative)*

b) State the aim of this research *(state topic and aspect to be investigated )*

c) State briefly in what way the issue is relevant or impacts the environment or society

* 1. Record at least two relevant sources of information/data in such a way that they could be retrieved by a third party (there is no need to follow a formal referencing system) — if one of the sources is an experiment/practical activity, then the title and the aim should be recorded.

Part a

**Source 1**: (e.g. website- full URL-full details of books used)

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Source 2**: (e.g. website- full URL-full details of books used)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Part b Data Collection

You must now collect two pieces of relevant **data** from different **sources** to include in your report. (one from each source).

This data must include any 2 from;

* Raw data from an experiment (make sure you include title & aim too)
* Tables of data
* Graphs
* Charts
* Text
* diagram

Raw Data from source 1

Raw Data from source 2

* 1. **Processing & Presenting Data**

a) You will now need to process (convert) ONE PIECE of data you have collected into **a different format**.

*e.g.* turning a table of data into chart (graph, pie chart)

turning text containing numbers into a table or graph

calculating averages from the data you have found

summarising text, charts, diagrams using text, flowcharts or diagrams.

**N.B. One of the formats must be a graph/table/chart/diagram.**

1. Ensure all appropriate, units, headings, labels are included for the processed (converted) data. (Use graph paper to draw graphs (do not use excel)

* 1. **Describe the application in terms of its impact on society, using**
* some **relevant** chemistry
* some reference to processed data.

(An application is a deliberate act by man to use in everyday life)

|  |  |
| --- | --- |
| Application |  |
| Relevant chemistry |  |
| Reference to processed data (converted) |  |
| Impact on society/environment |  |

* 1. **Communicate/sum up all your findings of the investigation.**

This should answer the aim set out at the start of the investigation and and the topic issue discussed in section 1.1 and 1.4.

Research Diary: Additional Pages

Hour 1 What I did… Date

 Teacher

Hour 2 What I did… Date

 Teacher

Hour 3 What I did… Date

 Teacher

Hour 4 What I did… Date

 Teacher

Research Diary: Additional Pages

Hour 5 What I did… Date

 Teacher

Hour 6 What I did… Date

 Teacher

Hour 7 What I did… Date

 Teacher

Hour 8 What I did… Date

 Teacher