

Harris Academy

Chemistry

National 4/5 Assignment

Research Phase Notes

Pupil Name: _____

Teacher Name: _____

My research into hydrogels



Research Notes:

A title for your Investigation: _____

Your report must be clear and concise.
(Aim: your aim must describe clearly what is to be investigated.)

1

Aim:

_____ tick when you have done this

In your research you must make notes on the application of what you are investigating:

1. Describe how the chemistry you have found out about is used

2. explain how the use of this chemistry affects either our environment or our society.

Remember this may be a good/positive effect or a harmful/negative effect

2

You can include some of your Nat 5 Chemistry knowledge here

Application:

_____ tick when you have done this

*In your research notes you need to think about reasons why you choose **both** of your sources of information or raw data. Were they relevant, how useful were they?*

Were your 2 sources agreeing or disagreeing?

2

One of your sources might be your own experimental results, or notes taken on a visit.

Research:

Name of Source 1: _____

Who wrote it? _____

Who published it? _____

Why was it relevant?

What did you find useful about it?

Name of Source 2: _____

Who wrote it? _____

Who published it? _____

Why was it relevant?

What did you find useful about it?

Explain how your 2 sources agreed or disagreed about the effect of the application on environment/society.



Data/Information (worth a total of 6 marks)

*In the space below include the data or information that you have selected from **both** your sources..*

You cannot just copy them.

*You must process some information from each source and present it in two different ways.
(worth a total of 6 marks)*

You could plot a graph or chart from a table of information.

You could make a table from experimental data or from written information or diagrams

You could calculate an average or percentage from data

You could summarise some written information in your own words

You could draw labelled diagrams

*You should make some **comparison** of the information from at least 2 sources*

processing.

2

presenting.

2

in a graph, chart, table or diagram using correct labels , headings, units

1

comparing

1

*Beside each piece of information you must **reference** where it came from. This must be in enough **detail to allow someone else to find them again**. If one of your sources is an experiment you will need to **record the title, aim and the raw data**.*

Information from source 1:

Raw data:

My processed data:

Information from source 2:

Raw data:

My processed data:

Processing 1`

Presenting 2

in a graph, chart, table or diagram using correct labels , headings, units

comparing

Conclusion:

You need to write a conclusion from your research and presentation that refers to your aim. Your conclusion must be supported by the evidence you have used from your sources

1

Conclusion:

Applying your knowledge and understanding of the chemistry you have presented.

You need to explain the chemistry involved in your report in enough detail to show that you understand it. . You must use correct chemistry terms and ideas from your National 5 course.

3

Applying your knowledge and understanding of the chemistry you have presented. You may already have some of this in your application, comparing sources and conclusion. You may want to add a bit more.

The three remaining marks are for the structure of your report.

If you have taken care and given time and effort your final report for handing in will have:

An appropriate and informative title

1	
1	
1	

Two sources used correctly and referenced

It will be clear and concise about 500-800 words