

**Task 5: Elements Research**

Outcomes:

Science as a Human Endeavour; Science Inquiry; Science Understanding: Chemistry

**Working individually, use the library and Internet resources to research one element from the Periodic Table. It is the responsibility of the student to have their own electronic backup method.**

1. Make a PowerPoint presentation to answer the questions below, collect diagrams and keep a list of references. Each question can have their own slide.

* 1. *What is the element’s symbol? Make sure your name is on the opening slide.*
  2. *Who discovered (or named it) and when?*
  3. *What is it named after and does it have any other names?*
  4. *Is it found in nature, or which compounds is it found in?*
  5. *How abundant is the element on Earth or in the atmosphere?*
  6. *What is it used for?*

1. While you are researching, write down 5 unfamiliar words, then find their meaning and write a definition in your own words. *This can be on slide 7*.

C. Ensure you have a bibliography on *slide 8*.

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**When handing in your assignment, you can either:**

* **print off the presentation and hand it in or**
* **submit the file on CONNECT within the Submissions module or**
* **hand in a USB drive (with your name physically written on it) with the file saved on it**

**Disclaimer: Your teacher may decide the most effective way to do the above.**

**Suggested file name: Year8Chem 1”+initials”**

**for example:**

**Year8Chem1MrJ**

**Remember to look at the marking table on the next page to see how to get the most marks possible.**

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| **Marking guide /25** | | | | |
|  | **1** | **2** | **3** | **4** |
| **Symbol** | Correctly identified |  |  |  |
| **Discovery** | When or by who | When and who | When, who, some extra information |  |
| **Naming** | Briefly states what it is named after | Explains what it is named after |  |  |
| **Other names** | Identifies other names where applicable |  |  |  |
| **Found in nature** | Yes or no | Names one or two compounds it is found in | Names three or more compounds it is found in |  |
| **Abundance** | Percentage given | Percentage given and states abundance on Earth/atmosphere/the universe |  |  |
| **Uses** | Briefly states one use | Explains one use | Explains two or more uses |  |
| **Glossary** | 3 or 4 words defined | 5 words defined but not necessarily in context or own words | 5 words defined in context and own words |  |
| **PowerPoint format** | Cluttered, unclear or hard to read;  appears incomplete | Visually appealing but lacking in content or clarity; too much or too little text or graphics | Visually appealing, good use of graphics and text | Visually appealing, good use of graphics, text, captions and  font/colour |
| **Bibliography** | 3 or less references | 4 or more references; incorrect reference format | 4 or more references with correct format |  |