**10 SCIENCE CHEMISTRY ASSIGNMENT**

THE PERIODIC TABLE /50 %

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

**Aim:** This assignment will allow you to research information about the periodic table and the scientists who put it together.

***Write a report that includes the following information about Dmitri Mendeleev.***

His date of birth and death, place of birth, name and atomic number of the element named after him, a description of his achievements regarding the periodic table, an explanation as to why at first spaces were left in the periodic table, the three elements that were later added in these spaces, two interesting facts about Dmitri Mendeleev and a photo or neat drawing of him.

Also include two elements that are alkali metals, alkaline earth metals, radioactive, noble gases, halogens and transition elements. For each of the elements you listed, state the year it was discovered, where it is found in nature and one use. This can be done in a table.

**NOTE TAKING SHEET**

|  |  |  |  |
| --- | --- | --- | --- |
| **Content** | **Notes** | | |
| Date of birth |  | Date of  death |  |
| Place of birth |  | | |
| Name of element  and atomic  number named  after him |  | | |
| Achievements  regarding the  periodic table |  | | |
| Why spaces  were left in  the periodic  table |  | | |
| Three elements  later added  to the spaces |  | | |
| Two interesting  Facts about  Dmitri  Mendeleev |  | | |
| Table for Elements and  info for each | Plan this and set it up. Then fill in the spaces for the table. | | |

**MARKING KEY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Content** | **Description** |  |  |
| Scientist  research | Date of birth  Place of birth  Date of death  Name and atomic number of element named after him  Description of achievements regarding periodic table.  Explanation why spaces were left in periodic table  3 elements later added to these spaces  Two interesting facts about Dmitri Mendeleev | 1  1  1  2  3  2  3  2 |  |
| Elements | Two elements that are alkali metals  Two elements that are alkaline earth metals  Two elements that are radioactive  Two elements that are noble gases  Two elements that are halogens  Two elements that are transition elements  For each element:  Year discovered  Where it is found in nature  One use for the element | 1  1  1  1  1  1  6  6  6 |  |
| Notes | Note taking sheet is complete or own hand written notes  are attached | 2 |  |
| Referencing | Minimum of 3 references  Variety of sources - minimum of 1 book references  Referenced in correct format | 1  1  1 |  |
| Presentation | Cover page - full name, form, teacher, assignment title  Neat writing  The use of headings - clear separation of sections  Correct spelling  Correct grammar, full sentences  Relevant images or pictures | 1  1  1  1  1  1 |  |
| **Total mark** | | 50 |  |