**10 SCIENCE CHEMISTRY ASSIGNMENT**

THE PERIODIC TABLE /50 %

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

Form:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Due date:\_\_\_\_\_\_\_\_\_\_\_

**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 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.

**IMPORTANT INFORMATION**

**Plagiarism**

This assignment is to be done individually, not with a partner.

You must write in your own words not copy sentences word for word from another student or another source.

Plagiarising = instant zero on assignment and you will have to re-do it.

**How to reference a book:**

Tsutaya, K. (2011). Crafting with Cat Hair: Cute Handicrafts to Make with Your Cat. Philadelphia: Quirk Books.

Author’s last name, first letter of first name. (Year of publication). Title of book. Place of publication: name of publisher.

**How to reference a web site:**

Rice, C. (2013). Retrieved February 8, 2014 from [www.bbc.co.uk/news/technology-25103362](http://www.bbc.co.uk/news/technology-25103362)

Author’s last name, first letter of first name. (Year of publication). Date you retrieved the information, website

**Assessment policy**

Have sick note/legitimate reason from parent = new negotiated due date.

Assignment not submitted on due date and no sick note from parents = -20% mark

Assignment not submitted on new negotiated due date = -40% mark

+ Letter home to parents

+ Must attend academic completion to complete assignment

**OR**

Submit assignment to student services before academic completion date and academic completion not necessary.

Academic completion not attended = zero on assignment + Saturday detention

**If you know that you cannot submit your assignment on the due date, let your teacher know BEFORE the due date (email them if you are not in school) or just email them your assignment the night before.**

**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 |  | | |
| Elements and  info for each |  | | |

**MARKING KEY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Content** | **Description** |  | **Your**  **mark** |
| 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  – minimum 2 sentences  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  4  2  3  2 |  |
| Elements | Two metals that are alkali metals  Two metals that are alkaline earth metals  Two metals that are radioactive  Two metals that are noble gases  Two metals that are halogens  Two metals that are transition elements  For each element:  Year discovered  Where it is found in nature  One use for the element | 2  2  2  2  2  2  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** | | 42 |  |

Mark as percentage %

Teacher’s comments:

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