

# 10 SCIENCE CHEMISTRY ASSIGNMENT

## THE PERIODIC TABLE

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Name: TEACHER COPY 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

Content	Notes		
Date of birth	8/Feb/1834 (1)	Date of death	2/Feb/1907 (1)
Place of birth	Tobolsk Governorate, Russian Empire (Siberia) (City) (0.5) (Country)		
Name of element and atomic number named after him	Mendeleevium (1) (101)		
Why spaces were left in the periodic table	These were for undiscovered (1) elements, Mendeleev predicted there would be more discovered. (1)		
Three elements later added to the spaces	Scandium, Gallium, Germanium, Technetium (Any 3 1 mark each)		

# MARKING KEY

Content	Description		Your mark
Scientist research	Date of birth	1	
	Place of birth	1	
	Date of death	1	
	Name and atomic number of element named after him	2	
	Description of achievements regarding periodic table - minimum 2 sentences	4	
	Explanation why spaces were left in periodic table	2	
	3 elements later added to these spaces	3	
	Two interesting facts about Dmitri Mendeleev	2	
Elements	Two metals that are alkali metals	2	
	Two metals that are alkaline earth metals	2	
	Two metals that are radioactive	2	
	Two metals that are noble gases	2	
	Two metals that are halogens	2	
	Two metals that are transition elements	2	
	For each element:		
	Year discovered	6	
Notes	Where it is found in nature	6	
	One use for the element	6	
Referencing	Note taking sheet is complete or own hand written notes are attached	2	
	Minimum of 3 references	1	
	Variety of sources - minimum of 1 book references	1	
Presentation	Referenced in correct format	1	
	Cover page - full name, form, teacher, assignment title	1	
	Neat writing	1	
	The use of headings - clear separation of sections	1	
	Correct spelling	1	
	Correct grammar, full sentences	1	
Relevant images or pictures		1	
Total mark		42	

Mark as percentage %

Teacher's comments:

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