

# Periodic Table Children's Book

Assignment: Write a children's book appropriate for a fifth or sixth grade child on the topic of the periodic table. The format of the book should include:

- **Cover:** The book's cover should have the name of your topic, your name, and the class.
- **Table of Contents:** one or two pages long and listing the interesting stuff you put in your book.
- **Basic Information:** organization of the periodic table, families and properties of the families, metals, nonmetals, metalloids, periodic law, noble gas electron configurations, periodic table trends, octet rule, valence electrons. **(minimum 6 pages)** (Use text features)
- **"Fun with the Periodic Table":** design a homework assignment for your readers. Be creative.
- **Glossary:** Your glossary should include at least ten (10) words included in your book with appropriate definitions and pronunciation key. Color-code the words of the glossary where they appear in the book. This is where descriptions of words like ionization energy, periods, etc. will take place. Don't waste space on the book pages with wordy explanations of terms you can fit in the glossary. **(2-4 pages)**

## Resources:

Check out the following resources to help you research your project:

- Textbooks
- Websites
- Encyclopedias
- Library

## Process:

Make a list of everything you need to know about your topic. Use the checklist provided as you construct your book. Points will be deducted for missed information. The grading rubric is included in the checklist so you have an idea of what you should include for your grade.

### **Advice from Mrs. Callender:**

Be sure that your project is:

- ***Accurate:*** Do not make up information. While creativity is appreciated, don't lose points supplying incorrect information.
- ***Neatly done:*** It doesn't need to be done on the computer, however, hand written books need to be ***written neatly with clear printing***. White out is a bad thing. If you make a mistake on a page, start over!
- ***Correctly spelled:*** One point will be deducted per misspelled word. If you are not sure about the spelling, look it up, or use spell check.
- ***Colorful:*** but not distractingly so.
- ***On time:*** There will be a full letter grade deduction per day late

**Evaluation:**

Refer to the checklist as to how your project will be graded. The project is worth 100 points and will be a test grade. Take it seriously, and be creative, but thorough.

Got it?	Point Value	Topic in your Book
	2	A clever title on the cover of your book.
	1	Your name on the cover of your book.
	1	The name of your class and period on the cover of your book
	5	Table of contents. (See first Page)
	4	How was the original Periodic Table organized and compare it to today's version, include discussion of Periodic Law?
	4	Include a discussion of metals, metalloids, and nonmetals on the table. In your discussions, include major properties of the 3 regions. You might include a diagram or picture of the table showing the different regions.
	6	What are the families and discuss some of their important properties? You might include a diagram or picture of the table broken up into each family.
	5	List some of the properties and some common uses of some of the most important elements in each group.
	4	What are valence electrons and why are they important?
	4	How do we determine the number of valence electrons an element has?

	4	How can we shorten electron configurations to concentrate more on the valence electrons?
	4	What is the Octet Rule? And how does it relate to how “active” an element is?
	4	How can we use the valence electrons and the octet rule to predict the charge an element will obtain?
	8	Composing: Central ideas, details, organization, beginning and ending.
	8	Written Expression: use of vocabulary, images, varied sentences, voice and mood.
	8	Mechanics: capitalization, punctuation, grammar and spelling.
	5	Text Features
	3	Picture of the Periodic Table
	15	Glossary of a minimum of ten words in your book
	5	Colorful
	100	Periodic Table Children’s Book Project