

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Due Date: Dec.

### Element Project

1. You will be assigned an element from the Periodic Table.
2. You will research the element using the Adopt-an-Element Fact Sheet (backside).
3. Using your Fact Sheet you will create a product (ideas below) about your element.

### Element Product Ideas

Using the information from your fact sheet, make one of the following. *Be creative.*

- Short story page (biography or autobiography)
- Children's book page
- "Facebook" page, "Twitter feed" or Instagram account on a poster for your element.
- Collage of ways the element can be used (include captions explaining the pictures)
- An advertisement for your element (like a billboard)
- Interview transcript (student/scientist, journalist/researcher, etc.)
- Cartoon

Self Evaluation/Reflection	10 points	5 points	1 point
Work Ethic	I work hard and do not need to be reminded to do my work	I had to be reminded to do my work or it was late	I goofed off and did not complete my project
Quality of Work	I produced my best work	I did not produce my best work but sometimes it has to be just 'good enough'	My project was lame but it is done
Creativity of Work	I showed creativity in my product	I could have been more creative	I am not creative and didn't try, but I got something done.
On time, with rubric (figurative)	I am chemist.	I have a chemistry set.	Nope, I am still getting the test tubes out of the box.
I enjoyed this project	Yes	Not Really	NO

### My Element Project Grading Rubric

Element Project Rubric				
	7 - 8 points	5 - 6 points	3 - 4 points	1 - 2 points
Fact Sheet	Element is fully researched and all important information included.	Element is researched but important information is missing	Little information about the element is included.	Element was not researched or the project was not completed.
Creative Element Display	The display incorporates all information, is neat, creative, and shows time and effort	The display incorporates all information, could be more creative or could have used more time or effort to complete quality work.	The display does not incorporate all information but is not neat or creative.	Student did not make display
Use of Time/Rubric - self evaluation counts in this part of scoring rubric.	Student used time wisely, researched efficiently, and turned rubric in with self evaluation	Student used time wisely but did not complete self evaluation	Student was asked to get back on task during research or was turned in without self eval and rubric	Student wasted research time, and did not turn in rubric

## Adopt an Element Fact Sheet

<p>Element's Name: _____</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"></div> <div style="width: 50%;"> <p>← Atomic Number</p> <p>← Symbol</p> <p>← Element Name</p> <p>← Atomic Mass</p> </div> </div> </div> <p># of Protons: _____</p> <p># of Neutrons: _____</p> <p># of Electrons: _____</p> <p>Classification (circle one):      Metal      Metalloid</p> <p style="margin-left: 20px;">Nonmetal</p>	<p>Describe the physical properties of your element:</p> <ul style="list-style-type: none"> <li>• Color:</li> <li>• Density:</li> <li>• State of matter at room temperature: solid, liquid, or gas</li> <li>• freezing point/melting point:</li> <li>• boiling point/condensation point:</li> <li>• is it shiny or dull?</li> <li>• is it malleable or not malleable (can you bend and shape it?)</li> <li>• is it ductile or not (can you make it into a wire)?</li> <li>• is it a good conductor or poor conductor of heat and electricity?</li> </ul> <p>What are three things that your element is used in or used for?</p>
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