

# The Element Gift Exchange!

What could be better than getting a gift box filled with YOUR ELEMENT for the holidays? Think of the joy you will bring a fellow student when they realize how fascinating and wonderful your element is! With some creativity, a bit of research and some hard work, the ELEMENT GIFT EXCHANGE is sure to be the highlight of the season!

Your Name \_\_\_\_\_ Period \_\_\_\_\_

Name of Student Opening Gift and filling in Scores below \_\_\_\_\_

Element Gift Exchange Responsibilities	Points Possible	Student's Score	Teacher's Score
<b>Box Size</b> - Less than 5000 cubic cm. (volume is L X W X H...)	30 pts.		
<b>Uses of Element</b> – Describe FIVE or more interesting uses for your element. Make is sound interesting! Make it clear HOW your element is involved in these uses. NOTE SPACE:	100 points		
<b>Features/Properties of Element.</b> List the following information in an interesting way on your box: 1. Chemical Symbol _____ 2. Atomic Number _____ 3. Atomic Mass _____ 4. Total number of Electrons _____ 5. Total number of Valence Electrons _____ 6. State at Room Temperature _____ 7. Melting/Freezing Temperature _____ 8. Boiling/Condensing Temperature _____ 9. Common Isotopes _____ _____ _____	50 points		
<b>Periodic Table Information</b> – Describe the following information in an interesting way on your box: 1. Row (Period) on the periodic Table _____ 2. Number of electron shells (energy levels) _____ 3. Family (Group) on the periodic table _____ 4. Common properties of elements in this family _____ _____	50 points		

<p><b>Additional Information</b> – Describe particular things that make your element REALLY IMPORTANT AND WORTH PURCHASING. (examples – Important history – Au, Ag, Hg, Cu, Na, Pu; Needed for health: Ca, K, Mg, Fe, Na, Zn; Science and technology breakthroughs: He, Li, Ne, Si, Ag, Ru, I; Life couldn't exist without them: C, O, N, H, Strong! – Cr, Fe, Ti, Co, V; Explosive! – All Alkali Metals, U, Pu Just Really Cool:, All Inert Gases, Ti, Cr, Cl; etc, etc... NOTE SPACE:</p>	<p>100 points</p>		
<p><b>Creativity/Interest</b> – Choose some of the following types of CREATIVE information on your box.</p> <ol style="list-style-type: none"> <li>1. <b>Pictures, Diagrams, Photos.</b></li> <li>2. <b>Name of your product</b> (Awesome Aluminum!)</li> <li>3. <b>Brand Name</b> (Miller Creek Toy Company)</li> <li>4. <b>Ages</b> (5 years old and up)</li> <li>5. <b>Warnings</b> (Caution: Do not mix with Sulfuric Acid!)</li> </ol> <p><b>Anything else</b> that makes your package fun and interesting look at and read!</p>	<p>50 points</p>		
<p><b>The Fun Part!</b></p> <ol style="list-style-type: none"> <li>1. Put something inside your box that will be given away as a gift. Have fun! It may just be a picture of your element. Here's some silly examples: if your element is COPPER you might give a penny. If your element is POTASSIUM you might give a banana. If your element is HELIUM you might give a balloon. Please, do not spend more than \$2.00 on this object (best to spend no money on the object....)</li> <li>2. Wrap your element box for the gift exchange!</li> </ol>	<p>20 points</p>		
<p><b>Effort</b> – Put your BEST effort into your box. Show effort with:</p> <ol style="list-style-type: none"> <li>1. <b>Neat, high quality work</b></li> <li>2. <b>Complete and specific information</b></li> <li>3. <b>Accurate information</b></li> <li>4. <b>Creativity</b></li> </ol>	<p>100 points</p>		
<p><b>Total Points Possible</b></p>	<p>500 pts</p>		