

Picture of Found in Nature	Atomic Number
Atomic Symbol	Picture of Found in Daily Use
Name of Element	Atomic Mass

<h2><u>Atomic Structure/ Draw the atom:</u></h2> <p>Number of Protons:</p> <p>Number of Neutrons:</p> <p>Number of Electrons:</p> <p>Number of Electron Shells:</p> <p>Number of bond sites:</p>											
<h2><u>Physical Properties:</u></h2> <table border="0"> <tr> <td>Color:</td> <td>Shape:</td> </tr> <tr> <td>State of Matter:</td> <td>Melting point:</td> </tr> <tr> <td>Freezing Point:</td> <td>Boiling Point:</td> </tr> <tr> <td>Odor:</td> <td>Texture:</td> </tr> <tr> <td>Density:</td> <td></td> </tr> </table>		Color:	Shape:	State of Matter:	Melting point:	Freezing Point:	Boiling Point:	Odor:	Texture:	Density:	
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Density:											
<h2><u>Chemical Properties:</u></h2> <table border="0"> <tr> <td>Type of bond:</td> <td>Polar/ non polar:</td> </tr> <tr> <td>Type of Element: Metal – Metalloid – Non-metal</td> <td></td> </tr> <tr> <td>Period:</td> <td>Group:</td> </tr> <tr> <td>Name of Family:</td> <td>Flammable? Y/N</td> </tr> <tr> <td>Chemical Changes:</td> <td></td> </tr> </table>		Type of bond:	Polar/ non polar:	Type of Element: Metal – Metalloid – Non-metal		Period:	Group:	Name of Family:	Flammable? Y/N	Chemical Changes:	
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Commonly Found in Nature:(3 – 5 Facts)

History of the Element: (Discovered by, Year, Evidence of being an element:

<u>Interesting Fact:</u>	Name: _____ Period: _____ Date: _____
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Meet the Elements – Semester 1 Project – Due Dec. 17 - 20

Elements Information Chart:

20 pts.

<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>
Detail Box is filled in and 100% accurate with illustrations and correct spelling	Detail box is complete with 1 or 2 errors and has accurate illustrations	Detail box is mostly complete with 1 or 2 errors and illustrations	Detail box is attempted with below grade level expectations	Detail Box is attempted but grade level work is not noticeable.
Physical and chemical properties are complete with illustrations and above grade level accuracy	Physical and chemical properties are complete with 1 or 2 mistakes with illustrations and grade level accuracy	Physical and Chemical properties are complete with few errors and acceptable illustrations at grade level	Physical and chemical properties are attempted with minor errors and appropriate illustrations but below grade level expectations	Physical and Chemical properties were attempted with below grade level work displayed
Commonly found in nature is written accurately with 0 spelling errors and 100% about grade level concepts	Commonly found in nature contains 4-5 grade level appropriate facts with 1 of the facts about grade content	Commonly Found in Nature contains at least 3 facts with minimal mistakes and grade level expectations	Commonly Found in Nature displays minor errors, minimal content and below grade level ideas.	Commonly found in nature is attempted but does not meet 8 th grade standards for Iowa Core.
History and Interesting Facts are developed about and beyond grade level concepts with 100% accuracy	History and Interesting Facts are developed with grade level concepts and minimal errors	History and Interesting facts are developed with minor errors and content at grade level or nearing grade level concepts	History and interesting facts displays less than 3 facts and less than 2 interesting facts with minor errors or below grade level concepts	History and Interesting facts was attempted and displays below grade level understanding of the concepts

Display of the Atom – Model – Rap Song – Creative Power Point – Art Work

Display

25 pts

<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>	<u>0</u>
Creativity Above Grade Level	Creativity at Grade Level with Accuracy	Creativity At Grade level with minor errors	Creativity Slightly below grade level	Creativity below 8 th grade expectations	Creativity – missing or not displayed
Accuracy in Protons Above Grade Level	Accuracy in Protons at Grade Level with Accuracy	Accuracy in Protons At Grade level with minor errors	Accuracy in Protons Slightly below grade level	Accuracy in Protons below 8 th grade expectations	Accuracy in Protons – missing or not displayed
Accuracy in Neutrons Above Grade Level	Accuracy in Neutrons at Grade Level with Accuracy	Accuracy in Neutrons At Grade level with minor errors	Accuracy in Neutrons Slightly below grade level	Accuracy in Neutrons below 8 th grade expectations	Accuracy in Neutrons – missing or not displayed
Accuracy in Electrons Above Grade Level	Accuracy in Electrons at Grade Level with Accuracy	Accuracy in Electrons At Grade level with minor errors	Accuracy in Electrons Slightly below grade level	Accuracy in Electrons below 8 th grade expectations	Accuracy in Electrons – missing or not displayed
Display of Shells or clouds Above Grade Level	Display of Shells or clouds at Grade Level with Accuracy	Display of Shells or clouds At Grade level with minor errors	Display of Shells or clouds Slightly below grade level	Display of Shells or clouds below 8 th grade expectations	Display of Shells or clouds – missing or not displayed

Oral Presentation – Iowa Core Standard – Demonstrate and Present the Scientific

Oral Presentation

Method

30 pts

<u>5</u> <u>Above Grade Level</u>	<u>4</u> <u>Meets or exceeds 8th grade standards</u>	<u>3</u> <u>At Grade Level Standards</u>	<u>2</u> <u>Slightly below Grade Level Standards</u>	<u>1</u> <u>Below Grade Level and not meeting standards</u>	<u>0</u> <u>Not meeting grade level standards</u>
Prepared and on time	Prepared and on time, minor mistakes	Prepared or on time	Not prepared, not ready to present	Not prepared, negative reaction	No presentation
Eye contact 100% knew all answers	Eye contact 75% or more, know answers	Eye contact 50% or more of the time – read answers	Eye contact Some	Eye contact Little or minimal	Eye contact None
Presentation clear and organized	Presentation clearly organized 1-2 hesitations	Organized but not presented clearly	Unorganized but able to present	Needs help organizing	Unorganized
Superior Explanation of report	Explanation of Written Report well don	Explanation of Written Report appropriate	Explanation of Written Report lacking in details	Explanation of Written Report needs improvement	Explanation of Written Report missing
Explanation of Model or display superior	Explanation of Model or display well done	Explanation of Model or display grade appropriate missing few details	Explanation of Model or display attempted missing details	Explanation of Model or display needs improvement	Explanation of Model or display missing
Overall presentation	Overall presentation	Overall presentation	Overall presentation	Overall presentation	Overall presentation

Audience Etiquette:

25pts

<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>	<u>0</u>
Excellent Behavior	Minor Redirects	3-5 redirects	Redirection needed	Disruptive Behavior	Asked to leave the class
On time to class	On time to class	On-time not prepared	Late but prepared	Late not prepared	Late/ absent
Attentive to speaker	Mostly attentive	Attentive but some distractions	Distracting to teacher	Distracting to speaker	Asked to leave the class

Day 1 _____ Day 2 _____ Day 3 _____ Day 4 _____ Day 5 _____ Total: _____

Semester Project Total Points:

/100 pts