Name:	Today's Date:	
Elements Project (worth 150	points)	
Introduction	<del></del>	
You are one of many important elements found on the per nitrogen, hydrogen, iron, phosphorus, potassium, sodium, a silver, or copper. As one of the most important elements of the World Element Corporation. Due to recent cost inc Corporation has been forced to lay off some of its worker losing your job, you have decided to design a presentation World Element Corporation (i.e. your teacher), defending You must be convincing and clearly explain the importance "World" depends on you!	calcium, sulfur, chloring on Earth, you are an el reases, the World Elei rs. Because you are ter for the Executive Boo your position in the co	e, gold, mployee ment crified or ard of th mpany.
The Task For this task, you must come up with a persuasive present and foldable presentation board) to give the Executive Bo Corporation, that explains why you should keep your job.	oard of the World Ele	ement
Major Assignments	Due Date	Points
Answers to the <b>Key Questions</b> and <b>Bibliography</b> O You must use at least one book, one encyclopedia, and one Internet resource from the list Mrs. Kuebler and Mrs.  Goad give you; in addition to filling out the bibliography.		30 pts
A five paragraph persuasive letter that defends	Typed Rough Draft:	20 pts
your position as to why you should keep your job.  Use your answers from the key questions to guide you through writing your letter. You will also be making a planning sheet to help guide you through the writing process.	Final Typed Copy:	60 pts
Use your answers from the key questions to guide you through writing your letter. You will also be making a <b>planning sheet</b> to	Final Typed Copy:	60 pts
Use your answers from the key questions to guide you through writing your letter. You will also be making a planning sheet to help guide you through the writing process.  • Your teacher will show you a sample letter to help you.  • Foldable Presentation Board (on 11x17" paper provided by your teacher) that highlights key things about you as an element that may "sell" you to the company's Executive Board.  • This should be neat, colorful, and filled with all the	ue dates for the Eleme	40 pts

## Calendar of Class Work and Homework for Elements Project:

Monday	Tuesday	Wednesday	Thursday	Friday
11/28	8 11/29 11/30 12/1			
Introduce Project	Library:	Library/Computer Lab:	Library/Computer Lab:	Library/Computer Lab:
-	Research	Research	Research	Collecting pictures
HW: Parent Signature	н	  W: Key Questions due Fri	 iday	HW: Planning Sheet
12/5	12/6	12/7	12/8	12/9
Work on handwritten	Work on handwritten	Computer Lab:	Computer Lab:	Work on Foldable in
letter in class	letter in class	Type Rough Draft	Type Rough Draft	class
HW: Handwritten L	 etter due Wednesday	HW: Typed Rougl	h Draft due Friday	No Homework
12/12	12/13	12/14	12/15	12/16
Work on Foldable in	Work on Foldable in	Computer Lab:	Computer Lab:	PROJECT DUE
class	class	Type Final Draft	Finalize Project	TODAY!
HW: Foldab	  le due Friday	HW: Final Draft (and	 d Foldable) due Friday	No Homework

Summary of Assignments and Due Dates:

Assignment	Due Date	
<ul> <li>Parent Signature on Project</li> </ul>	11/29	_
<ul> <li>Key Questions and Bibliography</li> </ul>	12/2	
<ul> <li>Planning Sheet</li> </ul>	12/5	
<ul> <li>Handwritten Letter</li> </ul>	12/7	
<ul> <li>Typed Rough Draft</li> </ul>	12/9	
<ul> <li>Typed Final Draft</li> </ul>	12/16	
<ul> <li>Foldable</li> </ul>	12/16	

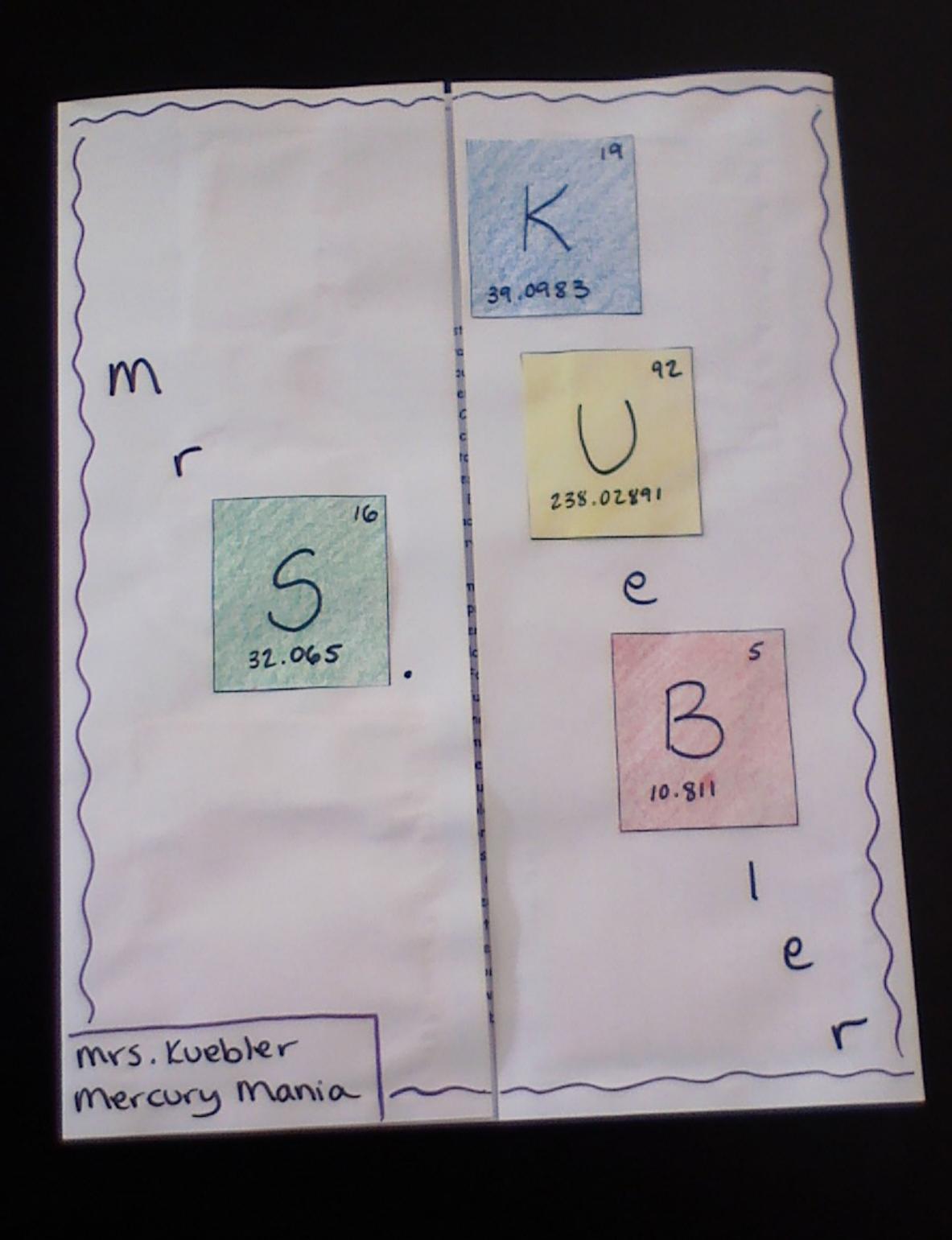
Name:	

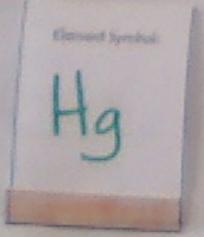
## Calendar of Class Work and Homework for Elements Project:

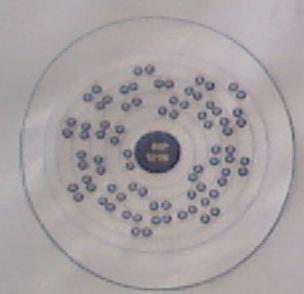
Monday	Tuesday	Wednesday	Thursday	Friday

Summary of Assignments and Due Dates:

Assignment	Due Date
<ul> <li>Parent Signature on Project</li> </ul>	
<ul> <li>Key Questions and Bibliography</li> </ul>	
<ul> <li>Planning Sheet</li> </ul>	
<ul> <li>Handwritten Letter</li> </ul>	
<ul> <li>Typed Rough Draft</li> </ul>	
<ul> <li>Typed Final Draft</li> </ul>	
<ul> <li>Foldable</li> </ul>	







Location on Periodic Table

> Mercury Hg

Mercury Monia 80 Science Lone Silvery Metal, CT 20059 October 27, 2010

World Element Corporation 118 Periodic Table Street Science Town, CT 12345

Dear Executive Board,

Before I introduce myself I would like to start off by saying that I am one of the most important employees at the World Element Corporation. My name is Mercury Mania, but my friends call me lig. This letter will explain exactly why you should keep me, Mercury, on your staff at the World Element Corporation. There may be some other elements that you could fire, but I am not one of them!

I have been working at the World Element Corporation for as long as I can remember. In fact, I've been here since ancient times! It has been such a long time that I can't even remember the name of the person who discovered me and brought me to work at your company. In case you can't remember what I look like, I have some very special properties that make me stand out among everyone else. First of all, I'm the only liquid metal in the entire World Element Corporation. I have a beautiful silver coloring that really brings out my personality! In addition, if you looked inside my atom, you would see that I have 80 protons, 80 electrons, and I21 neutrons. All of these atomic parts help me be a better worker here at the World Element Corporation.

I have many very important jobs at this company. For starters, I am used in thermometers to measure temperature, barameters to measure air pressure, and in some batteries to make electricity. I'm also very important in lighting the World Element Corporation because I am found in the fluorescent lamps that light up our hallways. Some people would call me a team player because I'm very good at working with the other elements in the company. For instance, chlorine and I have teamed up to make skin whitening makeup. Also, I've worked with sulfur to make a toxic paint called vermillion pigment. Since I work so well with others, I have many friends at the company.

You may be wondering why my friends call me Hg. It is because when I was discovered, I was named after the Latin word hydraryyrum, which means liquid silver. My first name cames from the planet Mercury. At this time I'd like to also clear up any rumors about me being crazy. I've heard some gossip going around the company that I cause people to go a little loony when I get into their system. I must admit that I am very taxic if people eat me or eat any foods such as fish that may contain traces of mercury. I sneak into the blood system and do some major damage to people's brains. However that's their fault for eating mel. I'm not the crazy one, the people that eat me are the lunatical If anything. I am the most important element in the entire Warld Element Corporation. Without me, vaccines to prevent many diseases wouldn't be what they are today. When they were first developed, vaccines contained Thiomersal which is partly made up of mercury.

If you fire me, the rest of the World will be so mad at you. They will never see a liquid metal at room temperature again! Can you imagine a world without such a beautiful substance as me? Sure, less people may be poisoned if you fired me, but that's beside the point Please, oh please don't fire me from the World Element Corporation!

Sincerely, Mercury Mania Photo

so science Lane Silvery metal, CT 2 mercury mania

**Business Card** 



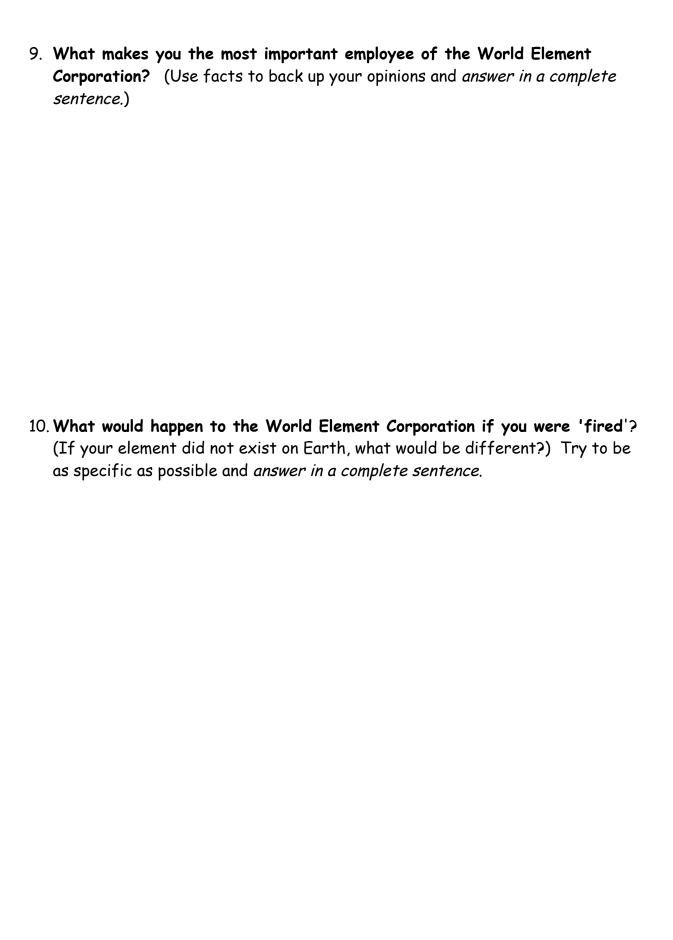
World Element Corporation

Student Name:	Today's Date:
	Due Date:
Key Questions	
Be sure to answer #5-10 in COMPLETE SENTENCES	to receive full credit!
1. What is your name? (the name of the element)	
2. What is your nickname? (the element symbol)	
3. How long have you been working for the World Eler (When were you discovered?)	nent Corporation?
4. Who hired you at the World Element Corporation?	(Who discovered you?)

5. What do you look like? (Describe the physical properties of your element in a

complete sentence.)

6.	What are your specific job(s) at the World Element Corporation? (What is your importance on Earth? Answer in a complete sentence.)
7.	What are some examples of how you work with other "departments" (other elements) within the World Element Corporation? (Answer in a complete sentence.)
8.	What are three interesting facts about you, as an element? (Answer in complete sentences.)
	•
	•
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	•
	•
	•
	•
	•
	•



# $\underline{Bibliography}$

Give credit for where you got your information.



## 1.Book

	Title of the book		
Author's Last Name	,Author's I	First Name	_
Place of publication (city	y) Publisher (ends with Co. I		Copyright (date published)
2. Encyclopedia	ı		
	Title of the encyclo	pedia	
Title of the Article:			
Author of the Article:		Volume: _	Year:
3. <b>Website:</b> www	Date you viewed the website:		
4. <b>Website:</b> www.			
	Date you viewed the website:		

Name:											

## **Key Questions/Bibliography Rubric**

Score:	 / 30

Question Number	3 points	2 points	1 points
1 & 2	Answer is completely correct. Element symbol is written correctly.	Answer may be slight spelling error. Element symbol does not have correct capitalization.	Answer is spelled incorrectly OR not readable. Element symbol is wrong.
3	Answer is correct.		Answer is incorrect.
4	Answer is completely correct.	Discover's name may be misspelled.	Answer is incorrect.
5	Several physical properties are described correctly.	A few physical properties are listed.	Only one physical property is listed.
6	Answer is detailed and in a complete sentence.	Answer is detailed but not in a complete sentence.	Answer is not very detailed.
7	Answer describes how the element works with other departments and what they make. It is in a complete sentence.	Answer describes how the element works with other departments and what they make. It is not in a complete sentence.	Answer does describe how the element works with other departments or what they make.
8	Facts are detailed and in complete sentences. There is no plagiarism.	Facts may be missing some detail OR are not in complete sentences.	Facts may be missing some detail AND are not in complete sentences.
9	Facts are used to back up the answer and it is in a complete sentence.	Facts are used to back up the answer but it is not in a complete sentence.	No facts are used to back up the answer.
10	Answer is complete and detailed. It is in a complete sentence.	Answer is complete and detailed but is not in a complete sentence.	Answer is not complete and is not detailed.
Bibliography Sheet	Bibliography sheet giving credit to sources used are complete with all required components of all books, websites, encyclopedia used for research.	Bibliography sheet is partially complete and/or contains spelling errors.	Bibliography sheet is not complete or no credit is given to resources used. Entries are incomplete and/or contain spelling/punctuation errors.

## Sample Letter

Mercury Mania 80 Science Lane Silvery Metal, CT 20059 November 28, 2011

World Element Corporation 118 Periodic Table Street Science Town, CT 12345

Dear Executive Board,

Before I introduce myself, I would like to start off by saying that I am one of the most important employees at the World Element Corporation. My name is Mercury Mania, but my friends call me Hg. This letter will explain exactly why you should keep me, Mercury, on your staff at the World Element Corporation. There may be some other elements that you could fire, but I am not one of them!

I have been working at the World Element Corporation for as long as I can remember. In fact, I've been here since ancient times! It has been such a long time that I can't even remember the name of the person who discovered me and brought me to work at your company. In case you can't remember what I look like, I have some very special properties that make me stand out among everyone else. First of all, I'm the only liquid metal in the entire World Element Corporation. I have a beautiful silver coloring that really brings out my personality! In addition, if you looked inside my atom, you would see that I have 80 protons, 80 electrons, and 121 neutrons. All of these atomic parts help me be a better worker here at the World Element Corporation.

I have many very important jobs at this company. For starters, I am used in thermometers to measure temperature, barometers to measure air pressure, and in some batteries to make electricity. I'm also very important in lighting the World Element Corporation because I am found in the fluorescent lamps that light up our hallways. Some people would call me a team player because I'm very good at working with the other elements in the company. For instance, chlorine and I have teamed up to make skin whitening makeup. Also, I've worked with sulfur to make a toxic paint called vermillion pigment. Since I work so well with others, I have many friends at the company.

You may be wondering why my friends call me Hg. It is because when I was discovered, I was named after the Latin word hydrargyrum, which means liquid silver. My first name comes from the planet Mercury. At this time I'd like to also clear up any rumors about me being crazy. I've heard some gossip going around the company that I cause people to go a little loony when I get into their system. I must admit that I am very toxic if people eat me or eat any foods such as fish that may contain traces of mercury. I sneak into the blood system and do some major damage to people's brains. However, that's their fault for eating me! I'm not the crazy one...the people that eat me are the lunatics! If anything, I am the most important element in the entire World Element Corporation. Without me, vaccines to prevent many diseases wouldn't be what they are today. When they were first developed, vaccines contained Thiomersal which is partly made up of mercury.

If you fire me, the rest of the World will be so mad at you. They will never see a liquid metal at room temperature again! Can you imagine a world without such a beautiful substance as me? Sure, less people may be poisoned if you fired me, but that's beside the point. Please, oh please don't fire me from the World Element Corporation!

Sincerely, Mercury Mania



In conclusion...

# **Planning Your Five Paragraph Letter**

	reet address (atomic #) d zip code (atomic mass)		
World Element Corporation 118 Periodic Table Street Science Town, CT 12345			
Dear	, (You are writing thi	is to the Exc	ecutive Board)
Paragraph 1: Main Idea, Intro	duction, Answers to questions 1 & 2		
The point of this letter is			
Introduction			
My name is			
My nickname is			
Paragraph 2:	Paragraph 3:	Paragraph	 n 4:
Answers to questions 3,4,5  3) I've been working at the World Element Corporation since	Answers to questions 6,7 6) I am important because	1	questions 8,9 sting facts about me are
4) The person who hired me was	7) I work with other elements such as	9) I am the mos	st important employee
5) I look like	to make		
Paragraph 5: Answer to quest  10) If you fire me then	 tion 10 , conclusion statement		

Student Name:	Today's Date:								
	Typed Rough Draft Due Date: 12/9								
	Final Typed Copy Due Date: 12/16								
Persuasive Letter Rough Draft									
To help you write your letter, you will use the answers from your ten key questions to write each paragraph. (Paragraphs need to be at least FIVE sentences!) You may follow the suggested guide to help you organize your paragraphs. Be sure to use transition words between sentences and paragraphs. Pretend this is a sales pitch to a REAL company about why you should NOT be fired!									
	Paragraph 1 • Introduction								
Dear	• Answers to questions 1, 2								

Paragraph 2	<ul> <li>Answers to questions 3, 4, 5</li> </ul>
	<del></del>
Danagnaph 3	• Angward to quartiand 6. 7
Paragraph 3	<ul> <li>Answers to questions 6, 7</li> </ul>
Paragraph 3	Answers to questions 6, 7
Paragraph 3	Answers to questions 6, 7
Paragraph 3	Answers to questions 6, 7
Paragraph 3	Answers to questions 6, 7
Paragraph 3	Answers to questions 6, 7
Paragraph 3	Answers to questions 6, 7
Paragraph 3	Answers to questions 6, 7
Paragraph 3	• Answers to questions 6, 7
Paragraph 3	Answers to questions 6, 7
Paragraph 3	Answers to questions 6, 7
Paragraph 3	Answers to questions 6, 7
Paragraph 3	Answers to questions 6, 7
Paragraph 3	Answers to questions 6, 7
Paragraph 3	Answers to questions 6, 7
Paragraph 3	• Answers to questions 6, 7

Paragraph 4	•	Answers to questions 8, 9		
		<del> </del>	 	
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Paragraph 5	•	Answer to question 10		
др г	•	Conclusion		
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Today's Date:	
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#### Foldable Presentation Due Date:

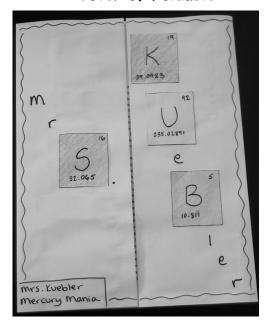
Use the pictures of your teacher's sample as a guide to help you design your foldable presentation. Once you have completed each of the required components, check them off on the checklist provided.

## **CHECKLIST**

Your foldable presentation MUST include:

Cover o	f Foldable:
	Student name and made-up element name on front lower corner
	Student name with element symbols substituted for letters in name
Inside F	foldable:
(	Element information foldable
Left	Picture or drawing of atomic structure (nucleus with protons and neutrons,
Side	electron cloud with electrons)
	Flip Foldable (element's location on periodic table on outside, periodic table
	picture on inside)
Middle	Letter to the WEC glued to center of presentation board
Right	Photo Album (graph paper accordion foldable with at least three pictures)
Side	Business Card (pocket with WEC labeled, business card made on index card)

## Cover of Foldable:



#### Inside Foldable:

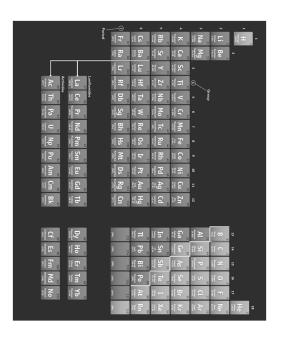
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	116 Ferrodic Table Street Science Town, CT 1234S	Photo
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Location on Periodic Table	encore tregerative. Novembers to resource or prototic, and in some baltiment to make destroy. In all over appealment is lightly where different Compressed because I can food in the forecases larger that light is an or feelings. Some people would do all on a known joint because I livery pool at which is the compressed of the compressed of the compressed of the forecase is just used. As whiteining reliable, Alls, I was wheta with sail for it is notice a tossic point code cremities appears that whiteining reliable, Alls, I was wheta with sail for it is notice a tossic point code cremities appears. All of the compressed of the compr	werevry mania mercury mania so science Lane silvery metal, CT:
Mercury Ha	of neuron. I trade not to the look of person and a some stage design, to appeal to home. However, that the first of the entrope of lives the neuron temporal to the entrope of lives the neuron temporal to the entrope of lives the neuron temporal to the entrope of lives to the the World Element Corporation. Without now, vectors to prevent many diseases would be subset they not to live White they were feel to designed, sectors to thread Thomacoul which he should be about the control to the control t	Business Card
	Sincerely, Mercury Mania	World Element Corporation

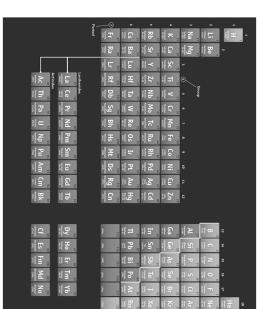
	12	10	8	6	4	2
Elaboration	Has fully elaborated and strong reasons with specific details about the element	Has moderately well elaborated and strong reasons with mostly specific details about the element	Has adequately elaborated and substantial reasons with a mix of general and specific details about the element	Has reasons with minimal elaboration and/or weak reasons with more general than specific details about the element	Contains only general reasons with unelaborated and/or list-like details about the element	Contains few or vague details about the element
Organization	Exhibits strong organization	Exhibits generally strong organization	Shows satisfactory organization	Shows some organization	Shows little or no evidence of organization	Is awkward and fragmented
Fluency	Is fluent and uses sophisticated transitional language	Is moderately fluent with transitional language throughout	Is somewhat fluent with some transitional language	Is awkward in parts with few transitions	Is awkward and confused or simplistic	Is difficult to read and understand
Audience Awareness/ Task	Shows a heightened awareness of audience and task	Shows a consistent awareness of audience and task	Shows adequate awareness of audience and task	Shows some awareness of audience and task	Shows little awareness of audience and/or task	Does not show awareness of audience and/or task
Grammar and Mechanics	Has very few or no errors	Has few errors in spelling, capitalization, punctuation, grammar/usage, paragraphing	Has some errors in spelling, capitalization, punctuation, grammar/usage, paragraphing	Has frequent errors in spelling, capitalization, punctuation, grammar/usage, paragraphing	Has a distracting number of errors	Errors block meaning

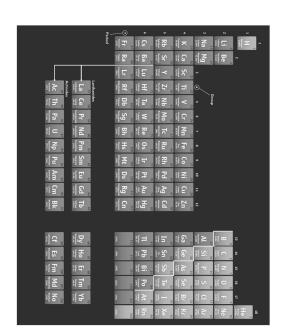
Key Questions Rough Draft Final Typed Copy Foldable Presentation Final Grade (30) (20) (60) (40) (150)

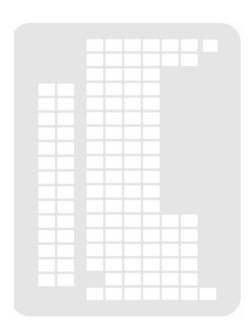
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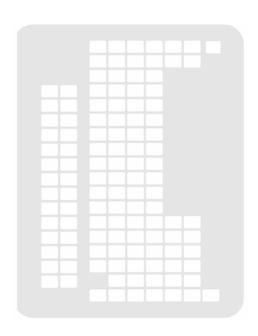
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Ex. Mrs			<u>K</u> (	K u e b l e r				
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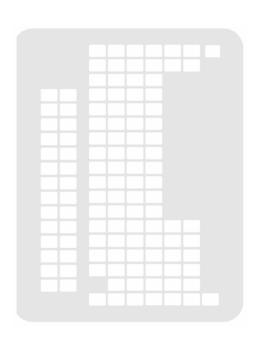




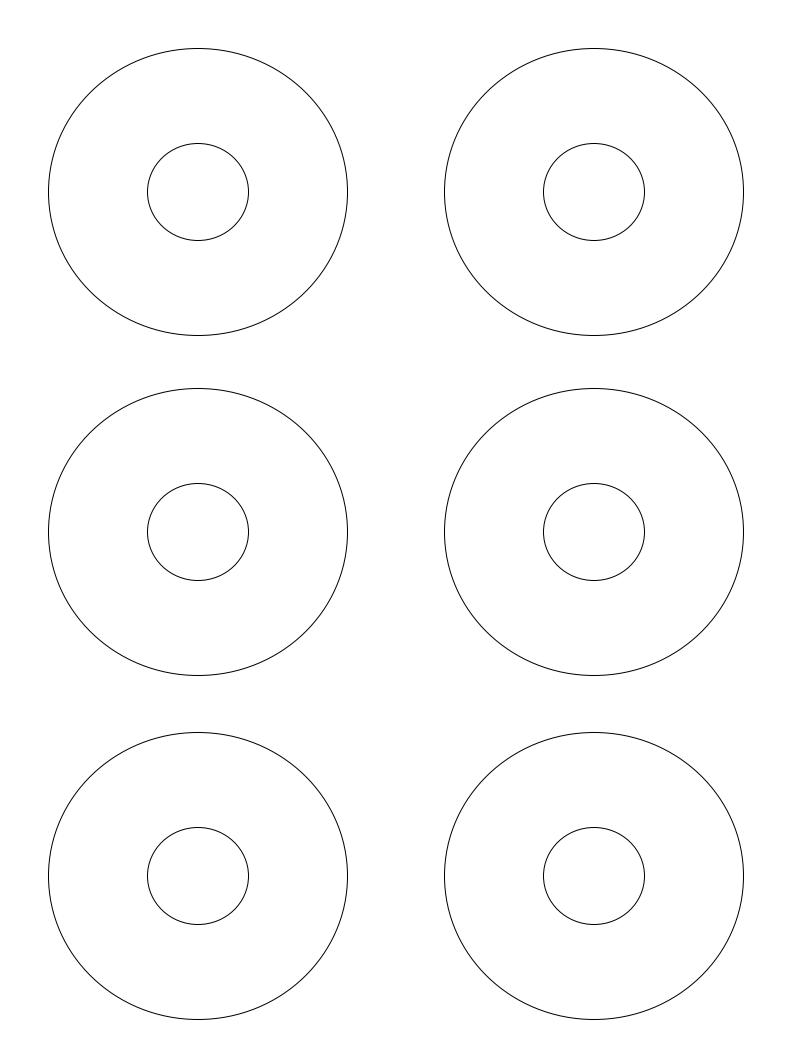








Element No	ame:	Element Na	me:
Symbol:	This element was discovered in	Symbol:	This element was discovered in
	It was discovered by		It was discovered by
_	facts about this element:	_	facts about this element:
Element No	ume:	Element Na	me:
		Symbol	¬ _, , , , , , , , , , , , , , , , , , ,
Symbol:	This element was discovered in	Symbol:	This element was discovered in
Symbol:	This element was discovered in It was discovered by	Symbol.	This element was discovered in   It was discovered by
Symbol: Interesting	·		
	It was discovered by		It was discovered by



Year Discovered:	Year Discovered:
Name of Discoverer:	Name of Discoverer:

Element Symbol:		Element Symbol:	
	Element Name:		Element Name:
	Atomic #  Atomic Mass  • Protons (+) = • Electrons (-) = • Neutrons (0) =		Atomic #  Atomic Mass  • Protons (+) = • Electrons (-) = • Neutrons (0) =

# When writing the rough draft of your letter today:

- Try to write as <u>neatly</u> as possible.
- Be sure to write in <u>complete sentences</u>.
- · Use lots of detail!
- Use good <u>transition words</u> so sentences and paragraphs don't sound awkward.
- Paragraphs should be at least <u>5 sentences!</u>
- Use a little bit of <u>humor</u> to make the letter interesting.