

<sup>42</sup> <b>Mo</b> Molybdenum	<sup>90</sup> <b>Th</b> Thorium	<sup>68</sup> <b>Er</b> Erbium		<sup>8</sup> <b>O</b> Oxygen	<sup>9</sup> <b>F</b> Fluorine		<sup>88</sup> <b>Ra</b> Radium	<sup>123</sup> <b>D</b> Dilithium	<sup>53</sup> <b>I</b> Iodine	<sup>8</sup> <b>O</b> Oxygen	<sup>89</sup> <b>Ac</b> Actinium	<sup>22</sup> <b>Ti</b> Titanium	<sup>23</sup> <b>V</b> Vanadium	<sup>53</sup> <b>I</b> Iodine	<sup>121</sup> <b>T</b> Tiberium	<sup>39</sup> <b>Y</b> Yttrium
--	---------------------------------------	--------------------------------------	--	------------------------------------	--------------------------------------	--	--------------------------------------	---	-------------------------------------	------------------------------------	--	--	---------------------------------------	-------------------------------------	--	--------------------------------------

<sup>71</sup> <b>Lu</b> Lutetium	<sup>53</sup> <b>I</b> Iodine	<sup>16</sup> <b>S</b> Sulphur		<sup>120</sup> <b>L</b> Latinum	<sup>125</sup> <b>E</b> Etherium	<sup>8</sup> <b>O</b> Oxygen	<sup>7</sup> <b>N</b> Nitrogen
--	-------------------------------------	--------------------------------------	--	---------------------------------------	--	------------------------------------	--------------------------------------

<sup>125</sup> <b>E</b> Etherium	<sup>7</sup> <b>N</b> Nitrogen	<sup>119</sup> <b>G</b> Gundanium	<sup>3</sup> <b>Li</b> Lithium	<sup>16</sup> <b>S</b> Sulphur	<sup>1</sup> <b>H</b> Hydrogen		<sup>53</sup> <b>I</b> Iodine
--	--------------------------------------	---	--------------------------------------	--------------------------------------	--------------------------------------	--	-------------------------------------

<sup>125</sup> <b>E</b> Etherium	.	<sup>6</sup> <b>C</b> Carbon	<sup>1</sup> <b>H</b> Hydrogen	<sup>124</sup> <b>A</b> Adamantium	<sup>61</sup> <b>Pm</b> Promethium	<sup>124</sup> <b>A</b> Adamantium	<sup>7</sup> <b>N</b> Nitrogen
--	---	------------------------------------	--------------------------------------	--	--	--	--------------------------------------

<sup>15</sup> <b>P</b> Phosphorus	<sup>68</sup> <b>Er</b> Erbium	<sup>53</sup> <b>I</b> Iodine	<sup>8</sup> <b>O</b> Oxygen	<sup>123</sup> <b>D</b> Dilithium	:	<sup>137</sup> <b>6</b> Six
---	--------------------------------------	-------------------------------------	------------------------------------	---	---	-----------------------------------

<sup>133</sup> <b>2</b> Two	<sup>141</sup> <b>0</b> Zero	<sup>132</sup> <b>1</b> One	<sup>135</sup> <b>4</b> Four	-	<sup>133</sup> <b>2</b> Two	<sup>141</sup> <b>0</b> Zero	<sup>132</sup> <b>1</b> One	<sup>136</sup> <b>5</b> Five
-----------------------------------	------------------------------------	-----------------------------------	------------------------------------	---	-----------------------------------	------------------------------------	-----------------------------------	------------------------------------

Dear Reader,

I'm not writing to inspire you. I'm not writing to make you rethink your life. I'm not writing to make you adapt a new hero I'm writing to tell the story of a hard working woman. A woman who had a passion. A woman who married a man. A woman who reshaped the scientific community A woman who along with her husband contributed to two elements in the Periodic table A women who gave everything she could for her passion A woman whom I call hero A woman who you call Madame Marie Curie

As I previously said, I'm not writing to inspire you, because I myself am not an incredible, inspiring writer. However, after reading my paper I wish for you to know and be able to share with someone ONE FACT about Marie Curie Throughout my writing, you will notice one thing, I see Marie Curie as hero, but I also see her husband as a major part of her. While, sometimes you may find yourself reading about their love, remember that if I were to tell your life story, you would want me to include someone you love, such as your mother, father, sister, brother, lover, partner, husband, or wife.

We all have a passion. I myself have four passions: math, science, football and film While talking about this subjects I tend to go out of topic. Which, you might notice in my writing. However, I want you to remember that we're all humans and that the story is about Marie Curie and not about my writing Additionally, Marie Curie's passion was science She gave everything for science. I don't want to spoil anything, but she gave up something that we value very highly.

After reading through this letter and my research paper, I want you to remember only one thing: LIVE FOR YOUR PASSION AND FOR THOSE WHO LOVE YOU!

Thank You,

Luis Leon

Luis Leon  
E. Chapman  
Pre-AP English 1  
February 23, 2015

### The Mother of Radioactivity

Marie Curie, along with her husband, Pierre Curie, demonstrated diligence and persistence through hard work and major discoveries. Their passion for science has contributed for a wide range of the radioactive knowledge that we possess. As Mr. Eric Christensen once said, "The Curies reshaped the landscape of modern physical understanding and built the foundation for many of the major discoveries that followed on their research."

Marie Curie, born in 1867 as Marya Skłodowska, moved from Poland to France in 1891. After several years of studies, Marie Curie had received a degree and certification in physics as well as mathematical sciences. In 1894, Marie met Pierre Curie, sharing a passion for the natural world and its components. After only a year, **Marie and Pierre married, beginning a scientific and loving partnership. A partnership that would reshape society as we know.** Marie and Pierre were highly inspired by Wilhelm Roentgen and Henri Becquerel, scientists who each respectively discovered X-Rays and Uranium. Marie Curie, intrigued on the idea that Uranium could emit such strong waves to create X-Rays, started investigating what other substances could have the same effect. In 1898, a changing year for radioactivity, Marie and Pierre Curie discovered Polonium and Radium, highly radioactive elements. In 1903, Marie, Pierre, and Henri Becquerel were awarded the Nobel Peace Prize of physics for their work in radioactivity. Marie took a very special interest in Radium, measuring its purity and creating a method for isolating it to its metallic stage. In 1911, Marie Curie was once again awarded the Nobel Peace Prize.

In the other hand, the discovery of Uranium and Polonium arose a very intriguing question, "Would radioactivity negatively impact humanity?" Pierre believed otherwise as he said, "It is possible to conceive that, in criminal hands, radium might prove very dangerous, and the question therefore arises whether it be to the advantage of humanity to know the secrets of nature, whether we will be sufficiently mature to profit by them, or whether that knowledge may not prove harmful. [...] I am among those who believe [...] that humanity will obtain more good than evil from future discoveries." **Pierre's conviction that society would use Radium and Polonium for the better of the world can be observed in today's society, as Polonium and Radium serve as bases for radiation therapy to cure for cancer, tuberculosis, and many other diseases.**

Furthermore, Marie Curie faced a bigger challenge, being a woman. Throughout history, women have been held to a different and lower standard than men, however Marie Curie, an industrious woman in a field dominated by men, started a change for women. After the death of her husband, Pierre, Marie took over his position in Sorbonne University, becoming the first woman teacher there. **Marie Curie is also the first woman to be awarded the Nobel Peace Prize and is part of a very elite group of people with two Nobel Peace Prizes.** Marie Curie opened the doors for women in the scientific community, inspiring the world with her passion and discoveries.

Marie Curie's drive and passion for science came to an end on July 4, 1934 due to leukemia caused from prolonged exposure to radioactive material. Marie Curie had spent many of her years working with radioactive material, which she didn't know could cause cancer and other diseases. As a result, she spent a great deal of her time ill, which one would assume that she spent at home relaxing and recovering, however Marie Curie spent her sick days at her laboratory, studying her notes and making groundbreaking discoveries. Marie Curie died for her passion, however Marie Curie continues and will continue to live, as her discoveries have saved thousands of lives.

As Pierre Curie once said, "every little while a man or woman is born to serve in some big way. Such a one surely is Marie Curie. [...] The spirit in which she has done her work has challenged the minds and souls of men."

# Work Cited

Aronson, Jamie "Marie Curie " Marie Curie (2005) 1-3 History Reference Center Web 30

Jan 2015

Christensen, Eric "Marie and Pierre Curie " Great Lives from History The Twentieth Century

N p n p , 2008 1-3 Print

Curie, Marie "Introduction " Introduction. Pierre Curie, with the Autobiographical Notes of

Marie Curie New York Dover Publications, 1963 3-10 Print

Des Jardins, Julie "The Passion Of Madame Curie " Smithsonian 42 6 (2011) 82-90 History

Reference Center Web 1 Feb 2015

Mould, R F "Pierre Curie, 1859–1906 " Current Oncology Multimed Inc , n d Web 30 Jan

2015



## A Tale of Radioactive Love

Muse look down on thy writer, thy writer will obey

Yes! I say to her love

Our love is a love of science

A love of science is a love of time

A love of time is a love of passion

A love of passion is the love of Marie Curie

We start a new beginning

A new beginning of love

Of love for science, time, passion, and most importantly ourselves

Our marriage is the beginning of a strong partnership

A partnership that cannot be broken by nuclear weapons

Or the stampede of a trillion elephants

A remarkable journey of love

Oh, Marie Curie

You're the love that I've been searching for

I call upon you to change my life

Suck me into your passion

Into your love

I want to be you

Oh, Madame Curie

I remember meeting you

An introduction that rocked my world

Your wisdom changed my world

Your wisdom is unknown to the human race

If I were to question your beginnings

I'd say you be the Goddess

The Goddess of Wisdom,

Radioactivity,

Passion,

MY LOVE!

May I say you've changed universe?

The World?

Or simply my life?

Oh, Madame Curie

If men were to question your value

You'd know they're below you

May I return to our love?

A love that will break the sound the barrier

A love that moves at the speed of light

A love that will change society as we know!

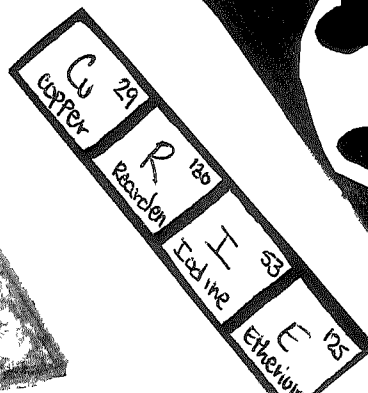
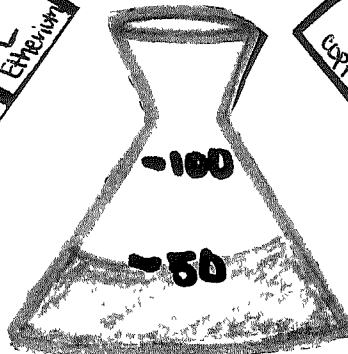
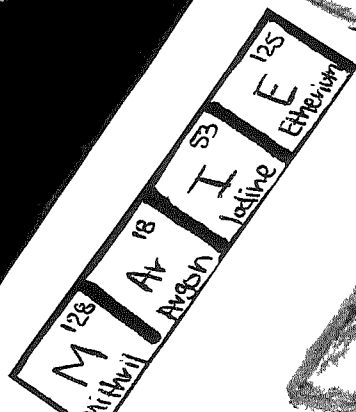
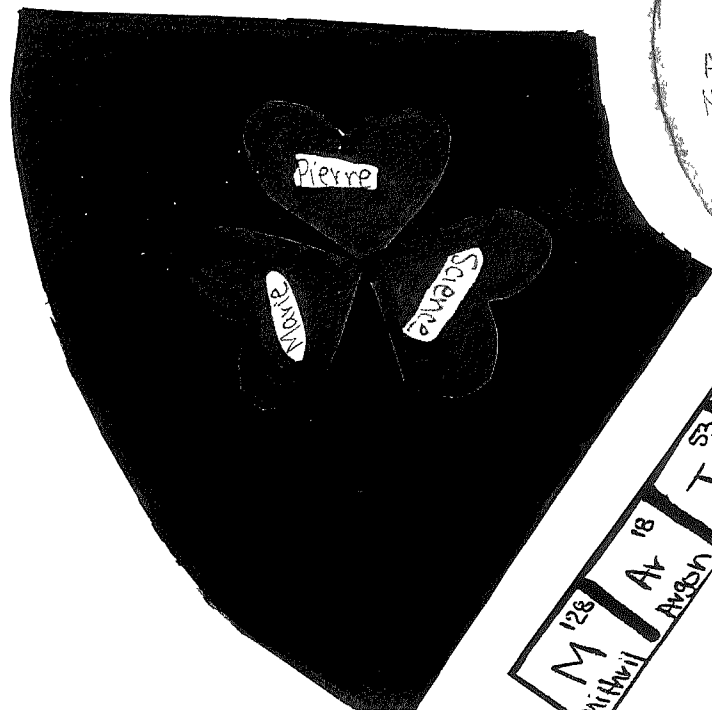
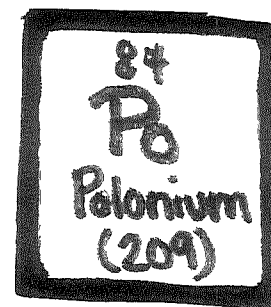
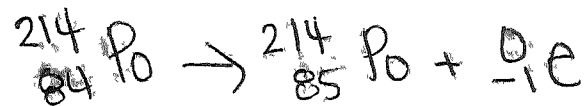
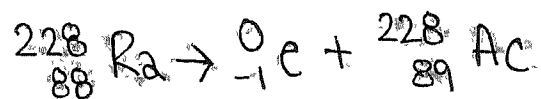
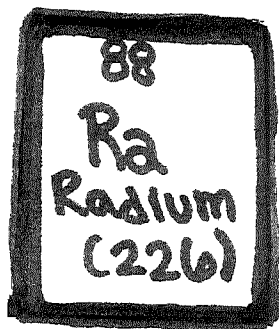
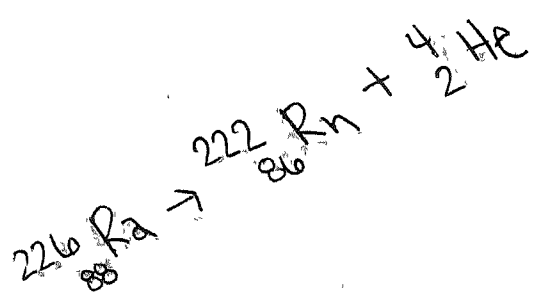
Our marriage is what I live for

To be truthful to world,

I live for you

My Goddess of Wisdom,

My Goddess of Love!





# Le Monde

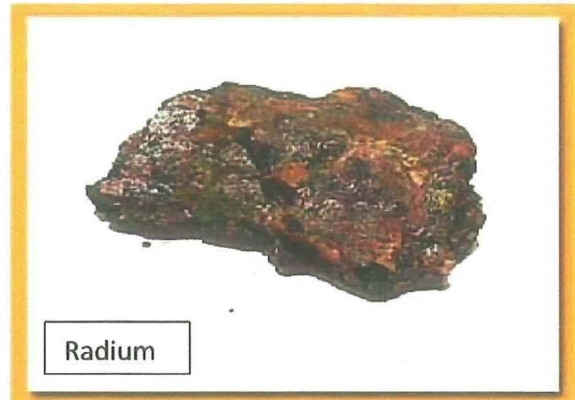
December 31, 1898

Issue III, Volume VIII

## Another Scientific Discovery by Wife-Husband Duo

Earlier this year, we reported the discovery of Polonium, which was discovered by Madame Marie Curie. Madame Curie along with her husband, Pierre Curie have recently released some incredible news, they have added another element to the chart, Radium.

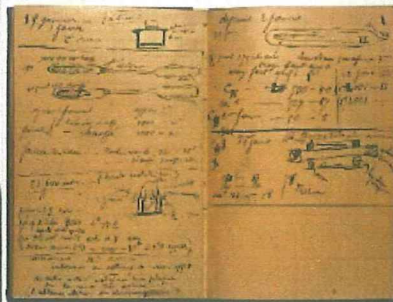
It is to no surprise the discovery of this element as this dynamic duo works day and night, sick or healthy, rainy or sunny. Their hard work is clearly demonstrated as Marie and Pierre are now responsible for two elements to the Periodic Table. This duo is in search for major recognition. It is however important to note that they stay humble. Marie Curie and Pierre Curie are not your average famous celebrities. They take their job seriously, with a very strong passion. As Paul Langevin, a student of Pierre Curie, says "It's a joy seeing those two work together, their scientific knowledge extends greater than the universe itself. Their passion stands their love and most importantly their up the earliest time possible writing down notes and observing the world as a whole."



Radium



Marie Curie, along with her husband, Pierre  
Curie



It's rare when the world sees a dynamic duo so passionate about what they do. This is the case of the Curie husband and wife duo. They are the clear example for the world we're living in. The universe joined two unique, wise minds and put them to discover a world beyond themselves. They will serve as the basis for future generations. Their discoveries will innovate the world and we will become a better, united world.

## **“The Mother of Radioactivity”**

Director Luis Leon

Writer Luis Leon (screenplay) Marie Curie (book)

*Scene II. It's an early Monday morning in France, Marie Curie (played by Amy Adams) is in bed extremely ill, believing she has minor illness, however her illness is caused from prolonged exposure to radioactive material Pierre (played by Hugh Jackman), unaware of her major illness, insist Marie to take a day off, however Marie is resisting to such thing and wants to go to the laboratory.*

[Screen shows a hand turning a door knob and slowly opening the door]

Pierre

Honey (*in a quiet voice*)

[Pause]

[Marie, in a sleeping position facing away from camera, wakes up facing the camera]

Pierre

Honey, I'm leaving off to the laboratory

[Marie slowly moves into a sitting position]

Marie

What? Are you leaving me? Are you running late? What are you talking about?

Pierre

Honey, you look very ill I figured you needed a break or something

Marie

No! I'm not staying here, I hardly feel anything I'm okay

[Pierre approaches Marie and touches her forehead]

Pierre

Are you listening to yourself? You're burning hot! You're very ill, honey

Marie

I said I'm okay! If I say I'm okay, I'm okay!

Pierre

You're staying here! You will not be going to the laboratory You'll go to the doctor for a checkup and rest

Marie

I will be going to the laboratory! If you think a small fever and a headache can stop me, you're wrong I don't give up! If giving up was in my vocabulary, then we wouldn't have discovered polonium and radium I don't care in how much pain I'm in, I will be going to the laboratory I will be remembered for my passion It's sad to hear that you don't believe in me

[Pierre has an angry facial expression due to his wife's comment]

Pierre

Do as you wish! (*angry, upset voice tone*)

[Pierre walks out from the room, closing the doors]

[Marie gets up from bed]

Marie

Yes, I will do as I wish


[Marie faints]

[Slow, dramatic music playing in background]

[Screen switches to black]

# NOTES PAGE

In my multigenre essay about Madame Marie Curie I want to clarify:

The usage of the color : A vivid-light green is the color that represents radioactive waste. Marie Curie spent her life working with radioactive material, as she respectively discovered Polonium and Radium, both very radioactive elements.

The reference to **death**: I want to clarify that my writing is not intended to show a dark side of Marie Curie or her work. I decided to reference death, because I feel as if today's society doesn't appreciate her great work. She gave up her life to study radioactive elements and isotopes. Furthermore, she gave her life to save many others as today her elements are used in radiation therapy which is aimed to cure cancer and many other diseases.

The reference to **love**, most notably to Pierre Curie: To make myself clear, this story is not written to talk about their love story. However, several of my components do include love references because I feel as if their love was a driven passion. I think the idea that they married after only one year shows that they shared more than just a "casual romance". Marie and Pierre truly loved each other and that love was shown in their hard work. I personally would have enjoyed to see Marie and Pierre working together in a science laboratory.

The reference to the **periodic table**: In my title page as well as my illustration you may find the usage of the periodic table. I decided to especially include the periodic table, because Marie Curie's life was about science, but most specifically chemistry, in which the periodic table plays a big role. Furthermore, Marie Curie discovered two of the elements on that chart, so a reference wouldn't do any damage.

A reference between love and passion. In this context, love is passion. I think after reading the story it's a rather self-explanatory idea. Marie Curie had a passion for science, she had love for science. Similarly, I'm a film person, so movies are my passion, movies are my love. So, remember live for your passion, or in other words "LIVE FOR YOUR LOVE!"