

Name: _____

SCIENTIFIC UNDERSTANDING

	Above Standard: 5	Meets Standard: 4	Approaches Standard: 3	Below Standard: 2	Missing: 1
Science in History (x2)	It is clear from your essay that you understand the historical importance of the discoveries you discuss, and connect them to the development of nuclear energy and/or nuclear bombs.	It is clear from your essay that you have thought about the historical importance of the discoveries you discuss, and connect them to the development of nuclear energy and/or nuclear bombs.	You begin to make connections between discoveries in chemistry and the development of nuclear energy and/or nuclear bombs.	It is unclear from your essay whether or not you understand the historical importance of the discoveries you discuss, and/or do not connect them to the development of nuclear energy and/or nuclear bombs.	
Science Content (x2)	It is clear from your paper that you have mastered the important scientific concepts and can explain them in such a way that any non-science teacher could understand them.	It is clear from your paper that you have understood most of the important scientific concepts, and can explain them in such a way that a non-science teacher could learn about chemistry.	You seem to have understood some of the key scientific concepts, but you make some mistakes when trying to explain the science in your paper or have not mastered the concepts well enough to teach them to your reader.	You do not yet show that you understand the scientific concepts that you present in your paper.	
Scientific Vocabulary	You have clearly mastered the important scientific vocabulary for your topic and you use this vocabulary properly in your paper.	You are clearly familiar with the important scientific vocabulary for your topic, even if there are a few mistakes in how you use this vocabulary.	You are somewhat familiar with the important scientific vocabulary for your topic, but you are not yet able to properly use this vocabulary in your writing.	Your paper does not use the important scientific vocabulary for your topic.	
Paper Structure and Content	You have clearly followed the provided guidelines for your essay. Your essay clearly answers the question you chose.	You have mostly followed the provided guidelines for your essay. Your essay answers the question you chose.	You have only somewhat followed the provided guidelines for this essay. Your essay mostly answers the question you chose.	You do not follow the provided guidelines for this essay. Your essay only somewhat answers the question you chose.	

WRITING

	Above Standard: 5	Meets Standard: 4	Approaches Standard: 3	Below Standard: 2	Missing: 1
Organization	Paragraphs contain one clear, main idea and all of the information in that paragraph supports that idea. Transitions are often used to connect one idea to the next.	Paragraphs contain one clear, main idea and all of the information in that paragraph supports that idea.	Some paragraphs may contain more than one main idea. Supporting evidence does not always support the main idea of the paragraph.	The paragraphs are not properly organized, and it is difficult to tell what the main idea is in each paragraph.	
Language (Vocabulary and Sentence Structure)	Your language is appropriate and especially clear. You have an excellent vocabulary.	Your language is appropriate for an academic paper.	Your language is sometimes inappropriate for an academic paper.	Your language is inappropriate for an academic paper.	
Grammar	Your paper is extremely easy to read with virtually no grammatical errors.	Your paper may contain a few grammatical errors, but these do not interfere with understanding your ideas.	Your paper contains enough grammatical errors that I have to work to understand your ideas.	Your paper contains many grammatical errors, and I cannot properly understand your ideas.	
Format	Your paper perfectly follows proper MLA format for in-text citations and works cited.	Your paper may contain a few errors in MLA format, but most of the citations are well done.	Your paper attempts to follow MLA format, but there are several mistakes in format of in-text citations or works cited.	Your paper does not properly follow MLA format.	

Comments:

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Outstanding