

Features:	Description:	Range:	Comments on student paper for each feature (noting problems and strengths):
Coverage of issues and information	<p>Includes the following:</p> <ol style="list-style-type: none"> 1. A brief summary. 2. An introductory paragraph that describes some of the most important nuclear-explosive nuclides. 3. A paragraph that (a) lists the isotope requirements for making a uranium weapon, (b) lists the technologies currently available to produce uranium that meets these requirements, and (c) notes and describes the particular technology that is currently favored. 4. A paragraph that describes the simplest way to create a nuclear explosion using weapons-grade uranium. 5. A paragraph that lists the usually quoted isotope requirements for making a plutonium weapon and describes the technologies used to produce plutonium that meets these requirements. 6. A paragraph that describes how to create a nuclear explosion using weapons-grade plutonium. 7. A paragraph that explains why the production method that is optimal for producing weapons-grade plutonium is incompatible with efficient power generation. 8. A paragraph that describes why it is more difficult to make a bomb using reactor-grade plutonium than using weapons-grade plutonium. Indicate whether it is possible to create a nuclear explosion using reactor-grade plutonium. 9. A final paragraph that explains briefly why restricting the availability of nuclear explosive nuclides is the most effective way to prevent the spread of nuclear weapons. 	30% High Mid Low	
Precise and accurate use of concepts	Course concepts from lecture and readings are employed clearly, accurately, and with a sufficient level of detail (i.e. quantified) in service of the above objectives.	15% High Mid Low	
Explanation & argument	Rationale for arguments (particularly regarding sections 3c, 4, 7, 8, and 9) is clear and convincing.	15% High Mid Low	

Professional style	<p>Geared toward college-educated member of congress.</p> <p>Congruent with Congressional Research Service report style. Language (word choice, sentence structure, flow of information etc.) is precise and straightforward, attending to:</p> <ul style="list-style-type: none"> Concision Clarity Brevity Professional tone Organization <p>Comprehensive and thoughtful use of sources (need all three).</p> <ul style="list-style-type: none"> - Source info clearly cited. - Uses a mixture of quotation, paraphrase, and summary. 	<p>10%</p> <p>High</p> <p>Mid</p> <p>Low</p>	
Conformity to conventions	<p>1.5-2 pages</p> <p>Title and section headings specified in prompt</p> <p>Header and date in correct format</p> <p>Page numbers</p> <p>12-point Times New Roman font throughout (including page numbers)</p> <p>1.25" side margins and 1" top margins and .5" bottom margins.</p> <p>Citation practices specified in prompt.</p> <p>Key terms bolded in first use</p> <p>(check = all correct, x = some mistakes (-5))</p> <p>**If you can't find the error, come to office hours!</p>	<p>10%</p> <p>High</p> <p>Low</p>	
Copy editing and use of standard language	<p>Grammar and mechanics are edited for correctness and legibility.</p> <p>Perfect polish is not necessary in a first draft, but out of respect for your reader, you should make some effort to make the draft an easy read.</p>	<p>5%</p> <p>High</p> <p>Low</p>	
Thoughtful peer response	5% per response/comment	15%	Note: The score marked by your TA does not yet include these points.
<p>Overall Comments:</p> <p style="text-align: right;">xx/85 (??, if peer review done satisfactorily)</p>			