

Features	Description	Range	Comments on 2-3 Main Features
<b>Coverage of issues &amp; information</b>	<ul style="list-style-type: none"> <li>● most important nuclear-explosive nuclides</li> <li>● isotope requirements for making a uranium weapon</li> <li>● technologies available to produce uranium that meets these requirements and particular technology that is currently favored</li> <li>● simplest way to create a nuclear explosion using weapons-grade uranium</li> <li>● usually quoted isotope requirements for making a plutonium weapon</li> <li>● technologies used to produce plutonium that meets these requirements</li> <li>● how to create a nuclear explosion using weapons-grade plutonium</li> <li>● why the production method that is optimal for producing weapons-grade plutonium is incompatible with efficient power generation</li> <li>● why it is more difficult to make a bomb using reactor-grade plutonium than using weapons-grade plutonium</li> <li>● whether it is possible to create a nuclear explosion using reactor-grade plutonium</li> <li>● why restricting the availability of nuclear explosive nuclides is the most effective way to prevent the spread of nuclear weapons</li> </ul>	15%  <b>High</b>  <b>Mid</b>  <b>Low</b>	
<b>Accurate use of concepts</b>	Course concepts from lecture and readings are employed clearly, accurately, and with a sufficient level of detail (i.e., quantified)	20%  <b>High</b>  <b>Mid</b>  <b>Low</b>	
<b>Explanation &amp; argument</b>	Rationale for expert analysis is communicated clearly and convincingly  Report is organized to: <ol style="list-style-type: none"> <li>1. begin with a brief summary,</li> <li>2. provide an introduction that discusses some of the most important nuclear-explosive nuclides,</li> <li>3. describe the science and reasons about its implications using assigned body sections, and</li> </ol>	15%  <b>High</b>  <b>Mid</b>  <b>Low</b>	

	4. conclude with a brief explanation of why restricting the availability of nuclear explosive nuclides is the most effective way to prevent the spread of nuclear weapons		
<b>Professional style</b>	<ul style="list-style-type: none"> <li>● Geared toward college-educated member of Congress</li> <li>● Congruent with Congressional Research Service report style: text is clear, concise, organized; uses a tone appropriate to writing situation (CRS report)</li> <li>● Sources are used thoughtfully and comprehensively (i.e., uses all three required sources) <ul style="list-style-type: none"> <li>○ Source info cited according to assignment sheet</li> <li>○ Most of report is in writer's own words</li> </ul> </li> </ul>	10%  <b>High</b>  <b>Mid</b>  <b>Low</b>	
<b>Conformity to conventions</b>	<ul style="list-style-type: none"> <li>● 3-4 pages</li> <li>● Title and section headings specified in prompt</li> <li>● Header and date in correct format</li> <li>● Page numbers</li> <li>● 12-point Times New Roman font throughout (including page numbers)</li> <li>● 1.25" side margins and 1" top margins and .5" bottom margins.</li> <li>● Citation practices specified in prompt.</li> <li>● Key terms bolded in first use</li> </ul> <p style="text-align: center;"><i>(check = all correct, x = some mistakes (-5))</i></p>	10%  <b>High</b>  <b>Low</b>	<b>**If you can't find the error, please come to office hours**</b>
<b>Copy editing &amp; use of standard language</b>	Grammar and mechanics are edited for correctness and readability	5%  <b>High</b>  <b>Low</b>	
<b>Quality and thoughtfulness of revision and rationale</b>		25%  <b>High</b>  <b>Mid</b>  <b>Low</b>	
<b>Overall Comments:</b>			

