Features	Description	Range	Comments for 2-3 primary features (by % weight)
Coverage of	In making the case for funding the Manhattan Project, be sure to include	20%	
issues &	the following technical content (not necessarily in this order):		
information		High	
	The definition of (a) a fissionable nuclide, (b) a fissile nuclide and		
	(c) a fertile nuclide. In your explanation, list (d) an example of a	Mid	
	fissile nuclide, (e) an example of a fissionable nuclide that is not	Low	
	fissile, and (f) an example of a fertile nuclide.	LOW	
	 The definition of (a) a nuclear-explosive nuclide and (b) a nuclear-explosive material. Explain (c) whether or not all fissile nuclides are 		
	nuclear-explosive nuclides. Explain (d) why some nuclides that are		
	not fissile are nevertheless nuclear-explosive. In your explanation,		
	(e) list an example of an important nuclear-explosive nuclide that is		
	not fissile.		
	Explain in one or two paragraphs the basic, general requirements		
	for achieving a nuclear explosion using nuclear explosive material.		
	n.b. Do not go into any of the details of particular weapon designs.		
	Explain in (a) one paragraph why the energy released in a nuclear		
	explosion is much greater than the energy released in the		
	explosion of a conventional bomb. In (b) a separate paragraph		
	illustrate the magnitude of energy release of a nuclear explosion when deployed strategically.		
	when deployed strategically.		
Accurate use	Accurate, clear definitions of:	20%	
of concepts	Fissile, fissionable, and fertile		
	NEM, NEN	High	
	,		
	Accurate, clear explanations of:	Mid	
	Nuclear explosion using NEM		
	Energy release greater than conventional bomb	Low	
	2 Energy release greater than conventional some		
Explanation &	Writer's approach is persuasive	10%	
argument	Technical content is integrated into the persuasive case		
	Explanations use careful logic and evidence in reasoning about	High	
	concepts and their applications		
		Mid	
		Low	

Professional & adaptive style	 Geared toward college-educated member of Congress Congruent with Congressional Research Service report style: text is clear, concise, organized; uses a tone appropriate to writing situation (CRS report) Comprehensive and thoughtful use of sources (need both "Physics and Technology of NEM" and course slides). Source info cited according to assignment sheet Most of report is in writer's own words 	20% High Mid Low	
Conformity to conventions	 2 pages Title and section headings specified in prompt Header and date in correct format Page numbers 12-point Times New Roman font throughout, including page numbers (except if specified in prompt) 1.25" side margins and 1" top margins and .5" bottom margins Citation practices specified in prompt Key terms bolded in first use (V = all correct, X = some mistakes [-10], XX = no conformity [-15]) 	15% High Mid Low	**If you can't find the error, come to office hours.**
Copy editing & use of standard language	Grammar and mechanics are edited for correctness and readability 2% for each writer's memo question answered and/or for each substantial	5% High Mid Low	
Overall Commer	comment		