Name:		Date	e:	HURBAN HASSEMBLY
<b>Chemistry</b> ~ Ms. Hart	Class:	Anions or	Cations	SCHOOL FOR CRIMINAL
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3.4 Thomson - Rutherford Writing Assignment

You are a science news reporter in the early 1900's. You have just interviewed Ernest Rutherford and learned of his gold foil experiment and his development of a new model of the atom. Your task is to *convince* the community of scientists who truly believe and accept Thomson's plum pudding model that this new model should be accepted. You will create a script for your newscast to be presented to this science community at a European science conference to convince them to accept Rutherford's new model. Your speech will need to:

- Compare and contrast the Rutherford and the Thomson atomic models.
- Explain how the components of each of the atomic models represent concepts of the atomic structure.
- Remember, this is an argument. Explain how Rutherford's experimental evidence led to his scientific conclusions about the atom's structure which helped him develop his model of the atom and disproved Thomson's version!

Standards Assessed: NYS Chem CC Standard 4-3.1a, b, c, d, f

## BREAKING NEWS! Thomson is OUT Rutherford is in. Atoms have more than one subatomic particle!?

Ву		Staff Reporter
Date:	1911	

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Rutherford	l's new model! →							
ELA	Level 4 Exceeding the	3.5	Level 3 Meeting the	2.5	Level 2 Approaching	1.5	Attempting the	О
Rubric	standard	J•J	standard	5	the standard	5	standard	Ĺ
Trait 1: Focus:	standard Establishes a precise and credible position.		Establishes a precise and credible position		States a position but does not completely		Position is unclear.	

ELA Rubric	Level 4 Exceeding the standard	3.5	Level 3 Meeting the standard	2.5	Level 2 Approaching the standard	1.5	Attempting the standard	0
Trait 1: Focus: Position	Establishes a precise and credible position, grounded in evidence and reasoning.		Establishes a precise and credible position that responds appropriately to the prompt.		States a position but does not completely address the prompt.		Position is unclear.	
Trait 2: Elaboration	Provides detailed explanations of the most important claim(s), reasons and evidence that support and develop the position.		Position is explained with claim(s), reasons and evidence.		Position is minimally developed with little explanation of claim(s), reasons and evidence.		Position is unsupported with little or no use of claim(s), reasons, or evidence.	