



Class: Anions or Cations

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!

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

Date: _____ 1911

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Rutherford's new model! →

