

## Ions, Isotopes & Average Atomic Mass

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### Extra Credit

#### Unit 2 Investigation Mass Spectrometry

Mass spectrometry is the process used to determine the relative mass and abundance of isotopes in a sample of an element. For this investigation, you will explain visually and verbally how mass spectrometry works. You are welcome to use whatever sources you find helpful, but be sure to cite your sources.

#### Requirement:

- No more than 1 piece of paper.
- The front of the page will be a 12 point double spaced explanation of how mass spectrometry works. At the bottom of this page, cite any sources used.
- The back of the page will be a hand-drawn representation of a sample passing through a mass spectrometer. Be sure to label the important parts of the device and the resulting separation of the isotopes in the detector.