

NAME:

HONORS CHEMISTRY

SECTION:

Article Summary/Response

Read the following articles about physicist Lise Meitner and her collaborators.

- <http://ansnuclearcafe.org/2012/02/14/lise-meitners-fantastic-explanation-nuclear-fission/>
- <http://www.chemheritage.org/discover/online-resources/chemistry-in-history/themes/atomic-and-nuclear-structure/hahn-meitner-strassman.aspx>

Summarize the key points of the two articles, focusing on Meitner's scientific accomplishments. (Goal: 10 sentences maximum)

Citations Find exactly within each article where it tells you...
(List the article and the paragraph#/sentence #)

- When and where Meitner earned her Ph.D.
- The name of Meitner's primary scientific collaborator
- The puzzling result(s) that Meitner and Frisch explained

- The droplet model of the nucleus
- 1944 Nobel Prize awardee

Take a stand

Meitner did not receive a Nobel prize. Was it fair of the Nobel committee to exclude her from the 1944 prize? Should the Nobel committee change its policy and award a posthumous award to Meitner? Include text from the articles to support your position.

MA Curriculum Requirements

- 1. Cite specific textual evidence to support analysis of science and technical texts, attending to important distinctions the author makes and to any gaps or inconsistencies in the account.**

- 2. Determine the central ideas or conclusions of a text; summarize complex concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.**

- 6.** Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text, identifying important issues that remain unresolved.