

## Mass Spectrometry: Group 1

Lesson Title:

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Name: \_\_\_\_\_

Go to the *Mystery of the Pharaohs* website, read the below section and answer the following questions. Then, working with your group, use the answers to prepare a brief presentation to the class about how scientists are using mass spectrometry to learn about mummies.

- **Mass Spectrometry: Deciphering the Elements**  
<http://www.pbs.org/wnet/pharaohs/secrets2.html>

1. What is mass spectrometry? What can it tell us about mummies?
2. What sorts of compounds can be identified by mass spectrometry? (Name at least five.)
3. Why do you think Garner and Counsell wanted to evaluate the blue lotus?
4. Describe below how the basic mass spectrometry procedure works.