Instructions
While watching the video, answer the following questions:

1. What did the international year of chemistry in 2011 celebrate?
   The life of Marie Curie

2. Where did Mamie live as a child?
   Texas

3. What was the common mentality regarding education for women when Mamie was growing up?
   Girls didn’t study science, and most didn’t go to college because they didn’t need a college degree to become wives and mothers, which is what was expected of them.

4. What did Mamie’s teacher encourage her students to do, and how did she enable them to do it?
   She encouraged them to be curious about the world around them and find solutions. She gave open-ended activities that allowed them to express themselves and be creative.

5. Where did Mamie go to graduate school?
   University of Houston

6. How long has Mamie been teaching college chemistry?
   Over 55 years, longer than any other tenured faculty member.

7. What educational center did Mamie found?
   Science and Mathematics Applied Resources for Teachers (SMART) Center

8. What does Mamie say about solving problems?
   The world around us is full of global problems we can solve using science.

After you watch the video, reflect on the following questions:

9. Mamie emphasized the ability of science to solve problems. If you could choose one global problem to solve now with chemistry, what would it be and why?
   Answers will vary.
10. Mamie’s teacher encouraged her students to be expressive and creative with open-ended questions and projects. Describe your favorite creative project that you have done (in school, in a summer program, writings/art/music that you’ve created on your own, etc.)?

_Answers will vary._

11. If you had the opportunity to ask Mamie one question (about anything – her work, her life, etc.), what would it be?

_Answers will vary._