

Pilot Pre Assessment

This is a pre-assessment to determine your comfort level teaching geology content and your understanding of geological processes. Please do not be concerned if you are unable to answer some of the questions.

Birthdate: ___/___/___ Gender: M or F Date _____

Ethnicity: _____

Teaching Status:

___ Student Teaching Fall 05 ___ First Yr Teacher ___ Second Yr Teacher
___ Other _____

1. Please circle whether you strongly agree, agree, disagree or strongly disagree with each of the following statements.

A. I am/will be teaching geology and/or geologic processes in my teaching/student teaching placement within the next year.

Strongly agree Agree Disagree Strongly disagree

B I am confident in my geology content knowledge.

Strongly agree Agree Disagree Strongly disagree

C. I am confident in my ability to teach students about plate tectonics and geological processes.

Strongly agree Agree Disagree Strongly disagree

D. I learned most of my geology knowledge through coursework.

Strongly agree Agree Disagree Strongly disagree

E, I learned most of my geology knowledge through outdoor experiences.

Strongly agree Agree Disagree Strongly disagree

F. I think geology is an interesting topic.

Strongly agree Agree Disagree Strongly disagree

G. As a teacher, I know about the resources available at a national park.

Strongly agree Agree Disagree Strongly disagree

H. Next year, I plan to take my students on a field trip to a national park.

Strongly agree Agree Disagree Strongly disagree

I would like you to know the following about my academic background in geology and/or my geology teaching experiences:

Please use the back of the page if you need additional space to respond to a question.

Part 2

Imagine your goal is to teach students to recognize geological change by examining rocks and/or soils in their environment. Consider the key concepts you would want students to know and think about the following questions:

1. What is geological change?
2. What are the characteristics of geological change?
3. What geologic changes in the Earth have you seen or experienced?
4. What evidence exists of past geological changes in the Earth?
5. What has caused, and continues to cause, these changes?

After you have thought about the questions:

Construct a concept map of your ideas about geological change. Your map should follow the directions and examples you have been shown.

Geological Change