

Plate Tectonic Boundaries Virtual Tour

Objectives:

-Why are landmasses and oceans located where they are? [Explain the process of opening and closing of ocean basins and the construction and destruction of super-continents]

-What are the pros and cons of living near a plate boundary? [The location of plate boundaries and their positive (i.e. metal ores and minerals) and negative (i.e. geo hazards such as earthquakes, volcanoes, and tsunamis) effects on humans.]

The Assignment

For this assignment, you will take us on a virtual tour of places on the planet that have been impacted by plate tectonics. You can select from the following options:

Option 1: Plate Boundaries

Take us a virtual tour of areas that are impacted by the following 3 types of plate boundaries: Convergent, Divergent, and Transform.

Allow us to visit all three types of plate boundaries both on land and underwater. (You should take us to a total of 6 different locations).

Explain (both show and tell) how plate tectonics impacted each area.

Option 2: Wilson Cycle

Progress through the 6 stages of the Wilson Cycle, and take us to locations on the planet that are in the various stages of this process.

Explain what is happening in the area, and how it shows what is happening in each of the stages of the cycle.

Evaluation: You will be graded based on the following:

Organization: Does your virtual tour have a logical order?

Content: Did you help the class feel as if we were going to each one of these areas?

Design/Presentation: Was it visually rich? Were you able to engage the class with the information and ideas you were presenting? Did you demonstrate creativity and imagination?

Levels:

4: Excellent (Highly Professional)

3: Good (Enjoyable and engaging. However, there was some room for improvement. Needs a little more work to reach perfection.)

2: Average (The assignment was completed, but it could have been significantly improved in several areas.)

1: Needs Improvement (Parts of this assignment were incomplete, or significantly lacking. More work needs to be provided.)

0: Non-existent or non-evident. (It was not completed or included.)

Rubric

Concerns <i>Areas that need improvement</i>	Criteria <i>Standards for this assignment</i>	Advanced <i>Evidence of exceeding expectations</i>
	Organization: Does your virtual tour have a logical order?	
	Content: Did you help the class feel as if we were going to each one of these areas?	
	Design/Presentation: Was it visually rich? Were you able to engage the class with the information and ideas you were presenting? Did you demonstrate creativity and imagination?	