



Earth System Science Analysis

Mount Pinatubo Eruption Event

Team: _____
Name: _____
Sphere: _____

Instructions

To prepare for a possible volcanic eruption on Montserrat, you must investigate the dangers the people of Luzon faced during e-Mission: Mt. Pinatubo. Use your knowledge of Earth systems science to analyze the destruction from the eruption of Mt. Pinatubo.

Read the event descriptions carefully. Have a team discussion about the impact of the Mt. Pinatubo eruption on the various spheres. Answer the questions below for your sphere.

Read the *Mt. Pinatubo Eruption* description. What impact did the eruption have on your sphere?

Read the *One Year After* and *Five Years After* descriptions. What effects of the Mt. Pinatubo eruption on your sphere were still present one year and five years after the eruption?



Earth System Science Analysis

Mount Pinatubo Event Comparison

Team: _____

Name: _____

Sphere: _____

Instructions

Review your previous analyses of the short-term effects (less than one month) and medium-term effects (3 months to 10 years) of the Yellowstone fire and Mt. Pinatubo eruption. Have a team discussion about the general effects of these events on each sphere. Respond to the question below about your sphere.

What general conclusions can you draw about the impact of natural events on your sphere?