

*In the Path of a Killer Volcano*  
**The 1991 eruption of Mt. Pinatubo, Philippines**

Every year, about how many volcanic eruptions happen worldwide?

What were the first signs of volcanic activity at Mt. Pinatubo?

How many people would be affected by a large eruption at Mt. Pinatubo?

What are the possible causes of the initial activity at Mt. Pinatubo?

What volcanic gas do scientists look for when magma is rising beneath a volcano?

Which possible volcanic hazards could they expect if Pinatubo erupted?

What seismological event signaled scientists that this may be a “precursor to a historic event”?

Why might scientists hesitate to evacuate an area around a volcano when there is a possibility of a large eruption?

What feature did scientists see that indicated there was very explosive magma just beneath the surface of the volcano? Recalling today’s lecture, what about this magma makes it explosive?

How many people were evacuated once the warning level was raised to 4?

What did Mt. Pinatubo do during the first “throat-clearing” part of the eruption?

How much time passed from wondering whether the volcano was “waking up” to when it actually erupted?

What volcanic hazards existed during the main eruption?

From what distance away from the volcano were people evacuated?

What damage resulted from the eruption of Mt. Pinatubo?

How did the size of the Mt. Pinatubo eruption compare to the Mt. St. Helens eruption?

What atmospheric/climatic effects did the eruption of Pinatubo have?

How many people were displaced/affected as a result of the Pinatubo eruption?

What volcanic hazard exists well after the eruption ended in 1991?