

# Sumatra Earthquake And Tsunami Lab Answer Key

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## **Sumatra Earthquake And Tsunami Lab**

Description: In this lab you'll study seismograms from 3 different seismic stations recording the magnitude 9.0 Sumatra earthquake of 12/26/2004. By comparing the arrival times of waves on each seismogram, you'll be able to determine distance to the epicenter.

## **Tsunami Labs by D. ROBISON AND S. KLUGE (ID: 741)**

The incredible media coverage of the Sumatra Earthquake and Tsunami of December 26, 2004, provided the world with images provoking both incredible sadness at the tragic loss of life, and awe at the destructive release of energy from one brief convulsion of Earth's crust. Earth scientists everywhere were eager to study the earthquake that rattled the entire planet and generated

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the tsunami that destroyed so much on the rim of the Indian Ocean basin.

## **Sumatra Earthquake 2004 - Earth Science**

In this lab, you'll study seismograms from 3 different seismic stations recording the magnitude 9.0 Sumatra earthquake of December 26th, 2004. By comparing the arrival times of the P and S waves on each seismogram, you'll be able to determine the distance from the epicenter to each station.

## **The Sumatra Earthquake and Tsunami December 26, 2004**

Sumatra Earthquake And Tsunami Lab  
The Sumatra Earthquake and Tsunami December 26, 2004 to reduce the destruction from the force of a tsunami and many people on the shores did not recognize or understand the warnings nature provided In this lab, you'll study

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Tsunami Lab SWHS Geology (©2004 by Dave Robison and Steve Kluge)  
Procedure Part 1: Finding the Epicenter of the Sumatra EQ 1. Label the following Countries on the Map: (Use whatever resources you need) India, Sri Lanka, Somalia, Sumatra (Indonesia), Myanmar, Thailand, 2.

## **Tsunami Lab SWHS Geology - tcfawcett.com**

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## **SUMATRA EARTHQUAKE AND TSUNAMI LAB ANSWERS PDF PDF**

December 26, 2004 North Sumatra  
earthquake and tsunami 00:58:51 GMT

Lat. 3.298S Long. 95.779E mb 8.5 Ms 8.9  
Mw 9.3 Mt 9.1 I=4 Hmax=34.5m

### **Tsunami Laboratory, Novosibirsk, Russia.**

Summary In this multi-part activity, students study seismograms from different seismic stations recording the Sumatra earthquake of December 26th, 2004 and then determine the epicenter of the quake and track the tsunami it generated in order to quantify how much time was available for exacuation if word had been successfully communicated.

### **The 2004 Sumatra Earthquake and Tsunami - SERC**

EERI Special Earthquake Report — March 2005 Learning from Earthquakes The Great Sumatra Earthquake and Indian Ocean Tsunami of December 26, 2004 Editor's Note: In responding to the Sumatra earthquake and subse-quent Indian Ocean tsunami, the National Science Foundation (NSF) funded multiple teams to work in the many

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affected areas. Some teams

## **The Great Sumatra Earthquake and Indian Ocean Tsunami of ...**

LAB 8 Tsunami InvestigationRev.docx. 1 pages. Image\_3-26-20,-5-37-PM San Diego State University OCEAN 100 - Fall 2010 Image\_3-26-20,-5-37-PM. 14 pages. g the winter Aleutian Low of the North Pacific or within short lived but San Diego State University OCEAN 100 - Fall 2010 ...

## **Ocean 100 Lab 8- Tsunami Speeds and Arrival Times - A ...**

1797: A magnitude 8.4 earthquake near the central part of the western Sumatra generated a tsunami that flooded Padang. More than 300 fatalities. 1833: A magnitude 8.7 earthquake near the south coast of the western Sumatra triggered a huge tsunami that flooded the southern part of western Sumatra. Numerous victims.

## **M9.0 December 26, 2004 Northern**

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Make the "Runups, Distances, and Times" folder visible (checked), if it isn't already. Runups are reported as heights, and sites where runups have been reported for this tsunami are displayed as a fat red H (there are lots). The highest runup value reported for this tsunami occurred at Labuhan, on the northwest coast of Sumatra.

## **Study 20 Terms | English Flashcards | Quizlet**

Padang, W Sumatra (ANTARA) - A 5.3-magnitude tectonic earthquake rocked Tua Pejat, Mentawai Islands District, West Sumatra, on Saturday, at around 5:36 a.m. local time, though no immediate reports were received on casualties in the aftermath of the strong quake.

## **Mentawai Islands in West Sumatra struck by 5.3-magnitude ...**

On December 26, 2004, at 7:59 am local time, an undersea earthquake with a

magnitude of 9.1 struck off the coast of the Indonesian island of Sumatra. Over the next seven hours, a tsunami—a series of immense ocean waves—triggered by the quake reached out across the Indian Ocean, devastating coastal areas as far away as East Africa.

### **Indian Ocean tsunami of 2004 | Facts & Death Toll | Britannica**

Magnitude 9.0 - OFF THE WEST COAST OF NORTHERN SUMATRA 2004

December 26 00:58:53 UTC ... the fourth largest earthquake in the world since 1900 and is the largest since the 1964 Prince William Sound, Alaska earthquake. The tsunami caused more casualties than any other in recorded history. The tsunami crossed into the Pacific and Atlantic

### **Geol 108 Lab 02 Locating Earthquakes**

The Sumatra Earthquake and Tsunami December 26, 2004 Introduction: The incredible damage and tragic loss of life



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resulting from the 9.0 magnitude earthquake and ensuing tsunami was shocking and almost beyond belief. The event marked the most devastating natural disaster to hit the world in the last 100 years.

## **Introduction - Norwich High School**

The 1797 Sumatra earthquake occurred at 22:00 local time on February 10. It was the first in a series of great earthquakes that ruptured part of the Sumatran segment of the Sunda megathrust. It caused a damaging tsunami that was particularly severe near Padang, where a 150–200 ton English ship was driven 1 km inland up the Arau River.

## **1797 Sumatra earthquake - Wikipedia**

A 6,9 on Richter earthquake struck off the coast of Sumatra in Indonesia at 2.38 pm local time on Sunday.. This has been reported by the US Geological Survey, while another US agency has

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said the ...

## **6,9 on Richter Earthquake Hits Indonesia Island Sumatra ...**

Tectonics of Sumatra-Andaman Islands.  
The December 26, 2004 M=9.1 Sumatra-Andaman earthquake occurred along a tectonic subduction zone in which the India Plate, an oceanic plate, is being subducted beneath the Burma microplate, part of the larger Sunda plate.. The interface between the two plates results in a large fault, termed an interplate thrust or megathrust.

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