

# Case Details

**Case Title:**

Tsunami disaster

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**Grade Level(s):**

Middle School

**Subject(s):**

Earth Science

**Summary:**

UN Secretary General Kofi Annan needs your help. The devastating Indonesian tsunami of 2004 has many world leaders worried that a similar disaster could occur in their nations as well. As expert scientists, you and your colleagues need to compile and present a report to the UN General Assembly detailing the causes and effects of the 2004 tsunami and the areas of the world that are at greatest risk of a future tsunami.

**Suggested Citation:**

DeLoney, D. Y., Turner, B. L., & Haensly, J. W. (2008). *Tsunami disaster*. Retrieved June 03, 2012 from Emory University, CASES Online Web site:  
[http://www.cse.emory.edu/cases/casedisplay.cfm?case\\_id=623](http://www.cse.emory.edu/cases/casedisplay.cfm?case_id=623)

**Learning Objectives:**

1. List and describe the various types of tectonic plate boundaries.
2. Explain what types of tectonic activity ultimately cause tsunamis.
3. Describe the formation and movement of tsunamis from the open ocean to shoreline
4. Describe the human impact of tsunamis, including public health, demographic, environmental and economic fallout.

**National/State Standards:**

*Georgia Performance Standards Addressed:*

SCSh1. Students will evaluate the importance of curiosity, honesty, openness, and skepticism in science. (NSES Content Standard A)

S6E3. Students will recognize the significant role of water in earth process. (NSES Content Standard D)

S6E5. Students will investigate the scientific view of how the Earth's surface is formed. (NSES Content Standard D)

S8CS9. Students will understand the features of the process of scientific inquiry.

(NSES Content Standard A)

SS7G9. The student will be able to describe and locate important physical and human characteristics in Southern and Eastern Asia. (NSES Content Standard F)