

Bell Ringer

1. What is the difference between Magnitude and Intensity?
 2. What is unique about a shield volcano?
 3. What causes multiple islands over hotspots?

Tsunamis and other Earthquake related secondary disasters



What is a tsunami?

- <https://www.youtube.com/watch?v=VNtsVP42bOE>
- False...

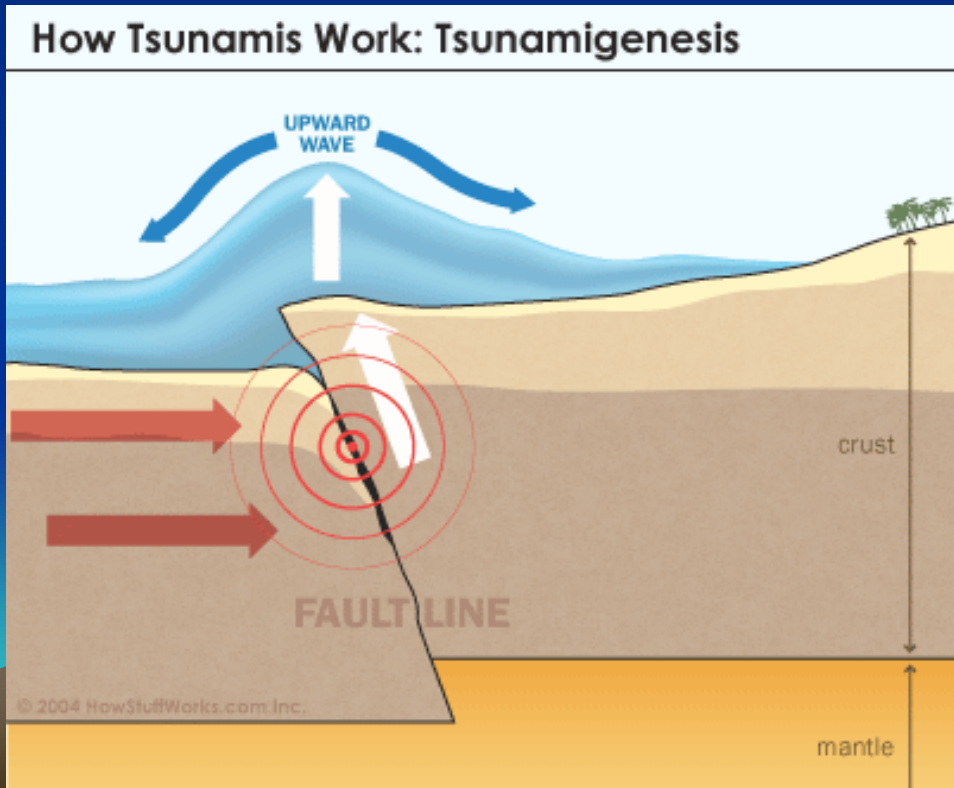
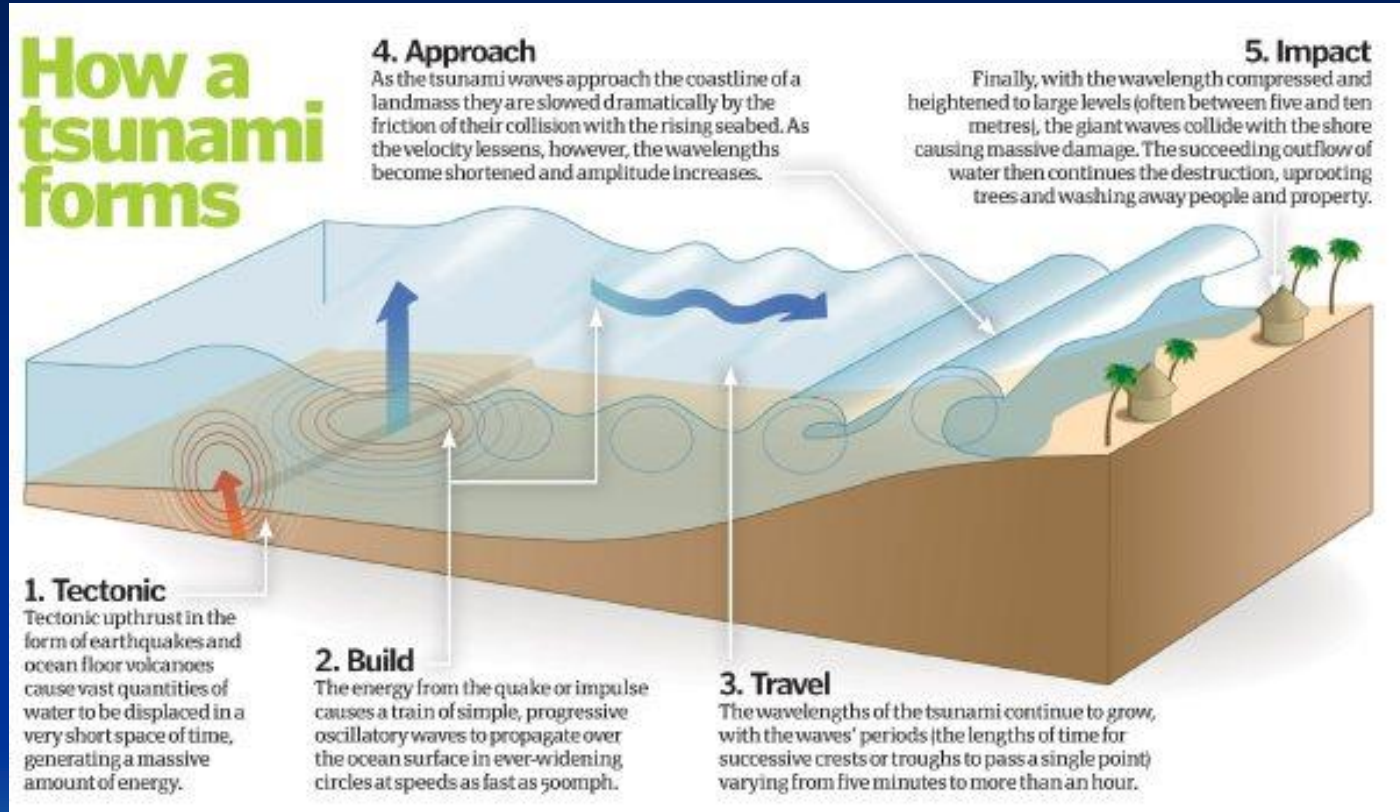


Tsunami



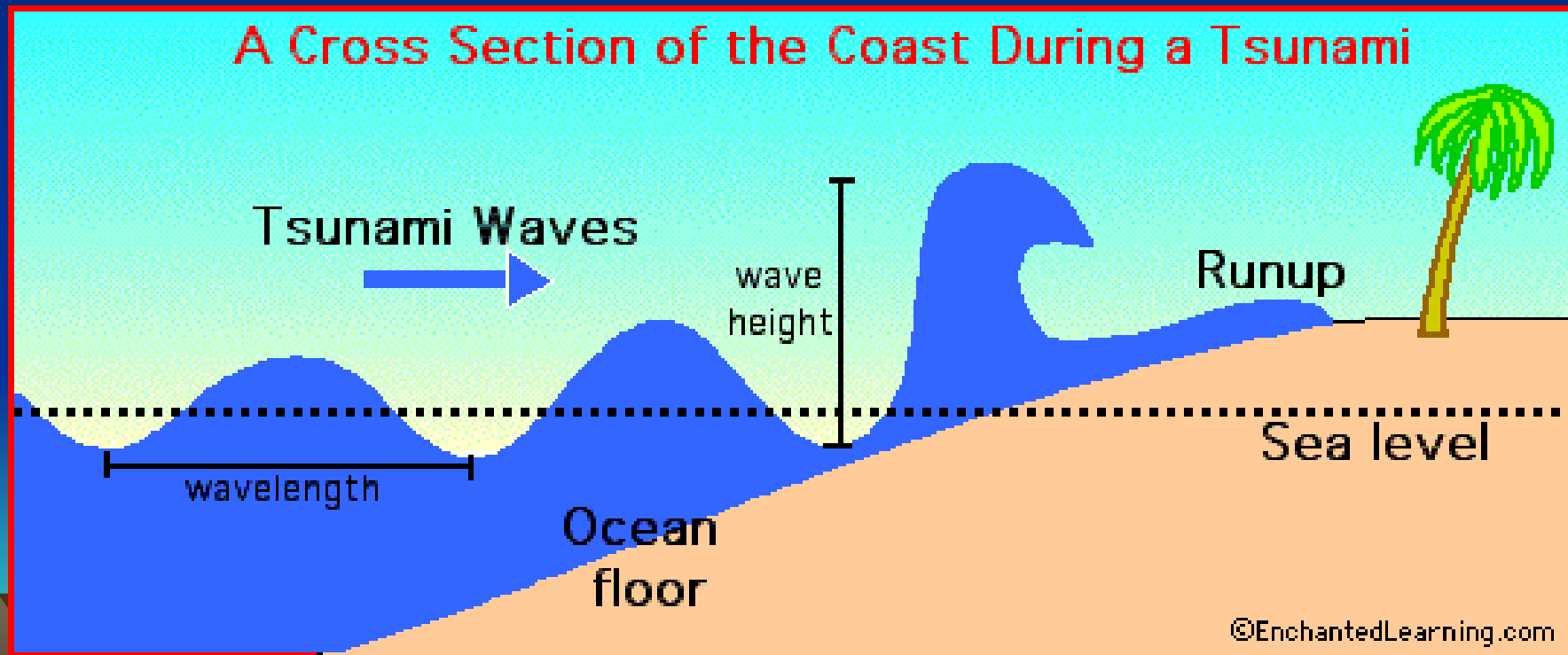
Tsunamis

- Tsunamis occur when Earth's oceanic crust shifts, typically after an Earthquake.



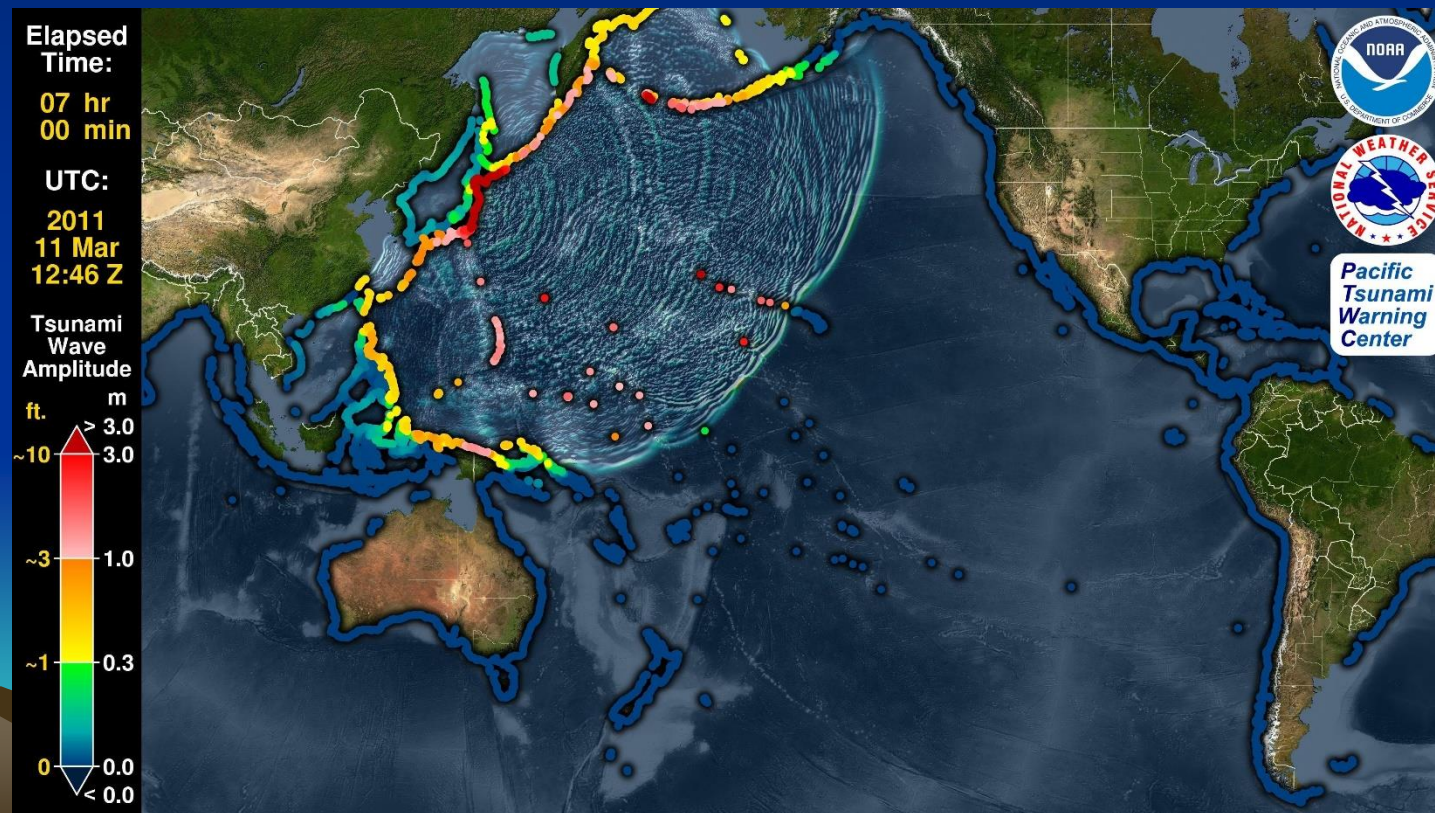
Tsunamis

- Even if Earth's crust only shifts a little, that energy will build up in the ocean as the ocean floor gets shallower and shallower.
- Wave heights can be anywhere from 1 to 50 feet above sea level.



Tsunamis

- Japan's Tsunami even reached Hawaii.
- <https://www.youtube.com/watch?v=SvbBrFr2EJU>



Landslides / Mudslides

- Landslides occur when weak soil is disturbed by some sort of motion, an Earthquake for example.
- Mudslides are similar, except much faster and much more wet.



Landslides / Mudslides

- Landslide:

<https://www.youtube.com/watch?v=eR77MhKwAew>

- Rockfall:

<https://www.youtube.com/watch?v=uOJfcTZME0U>

