NOVA: Wave that Shook the World

https://youtu.be/3YOf44bNzw4 (52:48 minutes)

1. December 26, 2004 took the life of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ people.
2. Where did the Tsunami occur?
3. Where is the Pacific Tsunami Warning Center?
4. What caused the tsunami?
5. The earthquake occurred \_\_\_\_\_\_\_\_\_\_ miles from Indonesia.
6. How long did it take the seismic record to reach California?
7. How many seismic sensors are in the Pacific Ocean?
8. How large was this earthquake?
9. Why did this earthquake create a tsunami?
10. The growing of a tsunami as it gets closer to land is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. Tsunamis don’t roll toward land, they \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. How much does 1 cubic meter of water weigh?
13. How high was the wave?
14. Three quarters of the tsunami’s victim died in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. What acted as a barrier to protect part of Thailand?
16. What amplified the tsunami in Kamala?
17. How many waves does an earthquake create?
18. From the man’s point of view, the wave took up \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the horizon.
19. How many lives were lost?

**Great Pacific Garbage Patch Clip** (1:31 min)

<https://youtu.be/4M47FAkQjyo>

1. How does the Great Pacific Garbage Patch impact marine life and ecosystems?
2. Is the Great Pacific Garbage Patch the only garbage patch in existence?
3. What causes the Great Pacific Garbage Patch to cumulate?

**Waves Clip** (2:24 minutes)

http://channel.nationalgeographic.com/videos/development-of-ocean-waves/

1. How does the ocean carry energy around the planet?
2. Does water travel with the wave?
3. Why does the base of the wave slow down?