

Tsunami Video Questions for NOVA's *Wave that Shook the World*

Name: _____ Period: _____ Date: _____

1. How many people were killed in the tsunami on 12/26/04?
2. What kind of plate boundary caused the earthquake that caused the tsunami on 12/26/04? Convergent Subduction, Divergent, Transform, Convergent Collision?
3. What are the basic parts of a tsunami warning system?
4. Was there a tsunami warning system in place in the Indian Ocean on 12/26/04? If not, how did this affect the loss of life that was encountered?
5. How fast do tsunami waves travel?
6. What countries/areas of the world were affected by the Asian tsunami?
7. Imagine you are in a boat at sea. Will you feel a tsunami go under you? Why or why not?

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8. Why does a tsunami wave grow so high when it reaches the shore?
9. Why did the water suddenly go back out to sea just before the tsunami hit?
10. Where do you always want to go to when a tsunami warning is given or if you see the ocean go out from the beach all of a sudden?
11. What happened to the speed of the Earth's rotation when the Sumatran earthquake happened?
12. What are some causes of tsunamis **other** than earthquakes?
13. What are some places in the United States that could see the arrival of a tsunami in the future?
14. Would you ever want to surf a tsunami wave? Why or why not?

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