**Japan Tsunami: How It Happened.**

**Video Questions**

1. How far has the coastline sunk due to the earthquake?

2. When did this earthquake occur?

3. Describe the warning system that the Japanese people had in place.

4. Which earthquake wave traveled the fastest?

5. Which type of earthquake wave caused the most damage?

6. Did the nuclear power plant shut down?

7. What was the first magnitude reported for the earthquake?

8. How far off the coast of Japan was the earthquake located?

9. How fast do the plates move near Japan?

10. Which plate is Japan located on?

11. Which plate is converging with Japan’s plate?

12. How many years has the energy been building up at this boundary?

13. How long did the earthquake take? Is this typical?

14. What is liquefaction?

15. Which direction did the ocean floor move that created the tsunami?

16. How fast does a tsunami travel?

17. What are the two reasons why the tsunami reached different locations at different times?

18. Were the tsunami walls helpful in Miyako?

19. How high was the tsunami at Miyako?

20. Why were the walls in Miyako insufficient?

21. How far did the ground sink at the nuclear power plant?

22. After the tsunami swept everything inland, where did the water go?

23. How long (time) was the tsunami in Hawaii?

24. How did the people in California die?

25. Why did the tsunami reach heights higher than the predicted height?

26. How many aftershocks occurred during the week after the main event?

27. How big are some of the aftershocks?

28. How could this quake create more strain on a fault somewhere else?

29. What are things that can be done to prevent damage in future quakes?

30. Where is the Cascadia fault?