Name:	:	Date:	Period:
	ions: Watch the movie and answer the question le. URL: http://www.youtube.com/watch?v=T		your answers as
1.	When did Japan' major earthquakes occur? W	hat was its magnitude?	
2.	Why is Japan a major earthquake region?		
3.	Describe the process which triggered the imm	ense earthquake in Japan?	
4.	How did Japan notify the public about the ma	jor earthquake?	
5.	Describe the difference between P and S wave	es?	
6.	How deep do major earthquakes occur?		
7.	What is liquefaction?		
8.	How many times greater was the earthquakes on Hiroshima and Nagasaki?	strength compared to the ato	mic bomb dropped
9.	How much did Earth's axis shift due the imm	ensity of the earthquake in Ja	apan?
10	. What other properties did this Earthquake cha	unge on Earth?	
11.	. How did the earthquake get so big? Describe earthquake?	the transfer of energy that ca	used this huge

12. What is a tsunami?
13. Describe the process of how this earthquake formed a devastating tsunami?
14. How tall was the tsunami in some places?
15. What do the Japanese have to protect from tsunamis? Were they effective? Why or Why not
16. Why did some areas have little hope from escaping the movement of the tsunami inland?
17. How much time did the Japanese notice to react for the earthquake and the tsunami?
18. Where have scientists tried to predict earthquakes? Were they successful? Why or Why not?
19. Why is it hard to predict when an earthquake will happen?
20. How do scientists forecast earthquakes?
21. Describe how the Japanese planned earthquake safe nuclear plants? How did they fail?
22. How did the nuclear plant fail? Describe the process.
23. How concerned should the Japanese be about the radioactivity? What was the fallout of this situation?