

**Born of Fire Video Notes**

1. How old is the Earth?
2. What is the name of the super-continent that existed 200 million years ago?
3. How much do continents move each year?
4. What causes earthquakes and volcanic activity in Japan?
5. What can be the result of plate spreading?
6. What happened in January 1973 in Iceland?
7. What did the people of Heimaey do to “fight” the volcano?
8. How do Icelanders use geothermal energy?
9. How fast was the volume of lava flowing out of the fissure on Krafla?
10. Why was the geothermal-power station built near the Krafla volcano?
11. How is the spreading action of crustal plates creating the Great Rift Valley of Africa?
12. What was the result of the 1923 earthquake in Tokyo?
13. What do people in Japan do when they receive an earthquake warning?
14. Which plates create the San Andreas Fault?
15. What was the result of the 1906 earthquake in San Francisco?
16. Of what dangers must landowners be aware?
17. What changes in the Earth do scientists look for as possible precursors for an earthquake?
18. How often do large earthquakes occur in California?
19. When will the earthquake known as the “Big One” occur in southern California and what could the result be?
20. In the future, where will you find southern California?
21. If you lived in an area prone to earthquakes, with what would you be concerned?
22. Given the choice, would you choose to live in an area prone to volcanoes or earthquake? Why or why not?