

Directed Reading A continued

20. The oceanic crust is _____ and _____ than the continental crust.

HOT SPOTS

21. The Hawaiian Islands are located
- a. along a tectonic plate boundary.
 - b. far from any plate boundary.
 - c. over a lava fountain.
 - d. on lava plateaus.

22. What are hot spots?

23. Some scientists believe that hot spots form along _____ in the Earth's crust.

PREDICTING VOLCANIC ERUPTIONS

Match each volcano type listed on the right with the correct description listed on the left. Write the letters in the space provided. You may use the volcanoes listed on the right more than once.

- | | |
|--|--------------------|
| _____ 24. have not erupted in thousands of years | a. active volcano |
| _____ 25. have not erupted recently | b. dormant volcano |
| _____ 26. are erupting now | c. extinct volcano |
| _____ 27. probably won't erupt again | |
| _____ 28. will probably erupt sometime in the future | |
| _____ 29. will probably erupt in the near future | |
30. Just before an eruption, the number and intensity of small earthquakes _____.

31. Changes in the ratio of sulfur dioxide to carbon dioxide may indicate changes in the _____ below.

32. Small changes in a volcano's slope can be detected by a(n) _____.

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33. What are three ways scientists predict volcanic explosions?

34. What might cause a bulge in the slope of a volcano?