Name _____ Class_____ Date_____

Chapter Test C

1. C
2. D
3. C
4. A
5. B
6. B
7. B
8. A
9. B
10. B
11. A
12. C
13. D
14. C
15. A
16. B
17. C
18. A
19. B
20. magma
21. blocky lava
22. lapilli
23. landforms
24. hot spot
25. convergent boundary
26. subduction
27. rift zone

Standardized Test Preparation

MULTIPLE CHOICE

1. D
2. A
3. A
4. C
5. A
6. B
7. B
8. A
9. B
10. D

OPEN RESPONSE

11. Full-credit answers should include the following points:
    - Erupting volcanoes can throw volcanic ash and gases high into the upper atmosphere.
    - Winds can move ash and gases around the globe.
    - When much volcanic ash is hurled into the atmosphere, the ash blocks sunlight and briefly lowers the global temperature
12. Full-credit answers should include the following points:
    - A volcanologist studying rock from a volcano could use the composition and texture of the rock to tell whether the volcano had erupted explosively or nonexplosively.
    - The many layers of volcanic deposits would tell the volcanologist how many times the volcano had erupted in the past and how the eruptions changed with time.

Vocabulary Activity

1. aa
2. ash
3. vent
4. magma
5. slope
6. crater
7. dormant
8. volcano
9. caldera
10. hot spot
11. rift zone
12. Ring of Fire
13. lava plateau
14. magma chamber

SciLinks Activity

1. The greatest volcanic eruption was on Taupo in New Zealand.
2. Taupo is called the greatest eruption because of the huge amount of rock and raw earth that it blasted into the sky. No other eruption has moved as much rock.
3. Fifty to sixty volcanoes erupt each year.
4. Volcanic danger zones in the United States are in Hawaii, Alaska, Washington, Oregon, and California.
5. Hawaii's most active volcanoes are Kilauea and Mauna Loa.
6. Sample answer: The crust on the top of an apple pie is like the Earth's crust. The apple filling is like magma. When the pie goes in the oven, the filling (magma) heats up and the pressure inside increases. The filling oozes out through the crust. If there are no vents in the crust, the pie might explode. If there are vents, the filling will ooze and bubble out through the vents.