

### CHAPTER 7 REVIEW

aa	lapilli	shield
caldera	lava	stratovolcano
cinder cone	lava tubes	vent
composite	mafic	volcanic ash
crater	magma	volcanic block
felsic	pahoehoe	volcanic bomb
fissure	pillow lava	volcanic dust
hot spot	pyroclastic	volcano

1. The largest pyroclastic material \_\_\_\_\_
2. Lava which forms a wrinkled, ropy surface. \_\_\_\_\_
3. Areas of volcanism within the interior of plates \_\_\_\_\_
4. Type of lava that forms much of the oceanic crust. \_\_\_\_\_
5. Pyroclastic materials less than 2 mm in diameter: \_\_\_\_\_
6. Type of volcano with very steep slopes. \_\_\_\_\_
7. Funnel shaped pit at the top of a volcanic vent. \_\_\_\_\_
8. Cracks in the earth's crust through which lava flows. \_\_\_\_\_
9. Liquid rock \_\_\_\_\_
10. Type of lava that is common in the continental crust. \_\_\_\_\_
11. Tunnels formed when still-molten lava flows out from under a hardened outer shell. \_\_\_\_\_
12. Rock fragments ejected from a volcano. \_\_\_\_\_
13. Type of volcano formed from alternating layers of hardened lava flows and pyroclastic material. \_\_\_\_\_
14. Type of lava with a sharp, blocky texture. \_\_\_\_\_
15. Type of pyroclastic material that can be carried around the earth in the upper atmosphere. \_\_\_\_\_
16. Magma that erupts onto the earth's surface. \_\_\_\_\_
17. Lava that forms rounded blobs on the ocean floor. \_\_\_\_\_
18. Type of volcano that has a broad base and gentle slopes \_\_\_\_\_
19. Type of pyroclastic material becomes round or spindle shaped as it spins through the air. \_\_\_\_\_
20. A large, basin-shaped depression formed when a volcanic cone collapses \_\_\_\_\_
21. The opening through which molten rock flows onto the surface \_\_\_\_\_

22. The structure formed by the vent and the volcanic material that builds up on the earth's surface \_\_\_\_\_

23. Type of pyroclastic particles that are less than 64 mm in diameter.  
\_\_\_\_\_

24. Another name for a composite volcano: \_\_\_\_\_

**QUESTIONS:**

25. Which moon has more volcanic activity than earth? \_\_\_\_\_

26. What caused the craters on the earth's moon? \_\_\_\_\_

27. What activity might have caused enough heat to produce magma on the moon? \_\_\_\_\_

28. What might have caused Olympus Mons to become so large?

29. What kind of material that most likely erupts from the volcanoes on Io?

30. What is the likely cause of heat that leads to volcanism on Io?

31.

Type of volcano	How it is formed	Example

32.

Type of lava	Composition & color	Where it is found

33. What type of lava is aa and pahoehoe? \_\_\_\_\_

34. What type of lava produces explosive eruptions? \_\_\_\_\_ Why?

35. Describe the formation of magma at a subduction zone.

36. List three signals that could be used to predict earthquakes.

37. As you go deeper into the earth, the pressure increases. What effect does this have on the melting point of rocks?