

Earth Science Chapter 7: Volcanoes and Plate Tectonics

*Answer the following questions by circling the correct letter. Answers that cannot be read will be counted as incorrect.*

1. What is a weak spot in the crust where molten material, or magma, comes to the surface?
  - a. Ring of fire
  - b. lava
  - c. volcano
  - d. island arc
  
2. What is the name of the volcanic belt that rims the Pacific Ocean?
  - a. Ring of Volcanoes
  - b. Ring of Fire
  - c. Volcanic Ring
  - d. Exploding Belt of Fire
  
3. Volcanic belts form along the \_\_\_\_\_ of Earth's plates.
  - a. boundaries
  - b. faults
  - c. stress
  - d. compression
  
4. The curve of an island arc echoes the curve of its \_\_\_\_\_.
  - a. mid-ocean ridge
  - b. oceanic plate
  - c. continental plate
  - d. deep-ocean plate
  
5. A volcano forms above a \_\_\_\_\_ when magma erupts through the crust and reaches the surface.
  - a. hot spot
  - b. cold spot
  - c. volcanic spot
  - d. sorta warm

## Earth Science Chapter 7: Properties of Magma

*Answer the following questions. Answers that cannot be read will be counted as incorrect.*

1. What is the largest mountain on Earth?

2. What is an element?

3. What is a compound?

4. What is a physical property?

5. What is a chemical property?

6. What is viscosity?



Earth Science Chapter 7: Volcanic Landforms

*Fill in the table below. Answers that cannot be read will be counted as incorrect.*

Landforms made from	Name	Definition
Lava and ash	Shield volcano	
		A steep, cone-shaped hill or small mountain
Lava and ash		Tall, cone-shaped mountains in which layers of lava alternate with layers of ash
	Lava plateau	High, level areas
Magma	Volcanic necks	
		Magma that forces itself across rock layers and then hardens
		Forms when magma squeezes between horizontal layers of rock
Magma		A mass of rock formed when a large body of magma cools inside the crust
	Dome mountain	Formed when uplift pushes a batholith or smaller body of hardened magma toward the surface