

Chapter 10

Text Pages 266–273

STUDY GUIDE

● Volcanoes and Earth's Moving Plates

Write the term or phrase that matches each definition below. Use the letters in the boxes to answer Item 14.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____

1. Structures in Earth that move on the asthenosphere
2. Magma that flows out onto Earth's surface
3. Opening at the top of a volcano's vent
4. Long, deep cracks formed when plates separate
5. The state of volcanoes currently spewing smoke, ash, steam, cinders, and/or lava
6. The state of volcanoes not currently active
7. Area around Pacific Plate where earthquakes and volcanoes are common, the Pacific _____
8. Openings in Earth's crust that allow magma to reach the surface
9. Type of boundary where plates separate
10. Melted rock deep inside Earth
11. Type of boundary where one plate slides under another plate
12. Mountain formed from layers of lava and volcanic ash
13. Area in Earth's mantle hot enough to melt rock into magma and create volcanoes
14. What process helps in the formation of volcanoes? _____