

## Chapter 9 Science Notes

1. A mountain made of lava, ash or other materials from eruptions is a volcano.
2. A movement of the ground caused by a sudden release of energy in the Earth's crust is an earthquake.
3. A landform is a natural land shape or feature.
4. A glacier is a large, thick sheet of ice.
5. Magma is molten rock under Earth's surface.
6. A fault is a break in the Earth's crust.
7. A sand dune is a hill of sand, made and shaped by the wind.
8. Topography is all the kinds of landforms in a certain place.
9. The mantle contains areas where the Earth's plates float.
10. You will most likely find a delta near a river's mouth.
11. A river carrying sand and sediment downstream is NOT a cause of weathering.
12. Canyons are most likely formed by water erosion.
13. Plate movement can cause both earthquakes and volcanic eruptions.
14. If the hill you're hiking up has bits of crushed rock, sand or boulders, then it may be a moraine.

15. The Hawaiian Islands are a chain of volcanoes formed by plates moving over a hot spot.
16. What would make a better model for the process that causes an earthquake – two sponges rubbing against each other or a bowl of jiggling gelatin? Explain why.
17. What would be the better model to show an erupting volcano – a lit firecracker or a shaken can of soda? Explain why.