Google Earth® Volcano Tour

Mr. Traeger

Date:

Name: ____

Period: _____

Background and Directions In this exercise, you will take a virtual tour around the world in Google Earth® to look at different types of volcanoes. Launch Google Earth® with plate boundaries overlain by going to this link.

<u>http://earthquake.usgs.gov/regional/nca/virtualtour/global.php</u>. Click on & Contro Plates of the World.+ Google Earth® should load. Under & ayers,+click the plus sign next to & allery.+Scroll down and click the checkbox titled & checkbox titled

Part 1: Finding Different Volcanic Structures

Find examples of the following types of volcanoes and fill in the appropriate information for each one of them. Use *Google Earth*® for this.

	Shield Volcano	Cinder Cone/Lava Dome Volcano
Volcano Name	Mauna Loa	Sunset Crater
Location (City,	Hawaii, USA	Flagstaff, Arizona, USA
State, Country)	Hawaii, USA	Flagstall, Alizolia, USA
Latitude &	Lat.:	Lat.:
Longitude		
	Lon:	Lon:
Summit Elevation in meters?		
in meters?		
Appearance (steep		
sides, gentle		
sides?) Sketch it.		
Active, dormant, or		
extinct?		
Has it ever caused		
property damage		
and/or loss of life?		
If so, how bad?		
Is this volcano		
located at a hot spot, divergent		
zone, or		
convergent		
subduction zone?		
What type of		
eruption was caused? Gentle or		
explosive? Fluid		
lava flows or		
pyroclastic flows?		
Rock Type?		
Basaltic, Andesitic, Rhyolitic?		
L		

Google Earth® Volcano Tour

Earth Science

Mr. Traeger

	Stratovolcano/Composite Volcano	Caldera
Volcano Name	Mt. Rainier	Yellowstone
Location (City,	Washington, USA	Wyoming, USA
State, Country)	Lat.:	Lat.:
Longitude		
	Lon:	Lon:
Summit Elevation in meters?		
Appearance (steep sides, gentle sides?) Sketch it.		
Active, dormant, or extinct?		
Has it ever caused property damage and/or loss of life? If so, how bad?		
Is this volcano located at a hot spot, divergent zone, or convergent subduction zone?		
What type of eruption was caused? Gentle or explosive? Fluid lava flows or pyroclastic flows?		
Rock Type? Basaltic, Andesitic, Rhyolitic?		

Part 5: Summative Assessment

1. What do plate tectonics have to do with the type and/or explosiveness of the volcanoes that you found? Do you notice any patterns? If so, what are those patterns?