Google Earth® Volcano Tour			
Geology	Coogle Lattile Voice	Mr. Traeger	
Coology		Will Fragge	
Name:	Period:	Date:	
Background and D			
In this exercise, you	will take a virtual tour around the world i	n Google Earth® to look at different types of	
	Google Earth® with plate boundaries ove		
	gs.gov/regional/nca/virtualtour/global.php		
		n next to Callery.+Scroll down and click the	
		uld now appear if you zoom in far enough. If dick on %Google Earth Placemarks+and	
		raphic journey around the world and report on	
the following types of			
Part 1: Find Shield			
Find 2 shield volcan	oes and fill in the following chart. Use Go		
	Volcano #1	Volcano #2	
Volcano Name	Mauna Loa	Volcano of Your Choosing:	
1 (0:4	11		
Location (City, State, Country)	Hawaii, USA		
Latitude &	Lat.:	Lat.:	
Longitude			
_	Lon:	Lon:	
Summit Elevation			
in meters?			
Annogrange (steen			
Appearance (steep sides, gentle			
sides?) Sketch it.			
Active demonstrat			
Active, dormant, or extinct?			
GAUTIGU:			
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?			

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<u>Part 2: Find Cinder Cone/Lava Dome Volcanoes</u> Find 2 cinder cone volcanoes and fill in the following chart. Use *Google Earth*® for this.

	Volcano #1	Volcano #2
Volcano Name	Sunset Crater	Volcano of Your Choosing:
Location (City, State, Country)	Flagstaff, Arizona, USA	
Latitude & Longitude	Lat.:	Lat.:
	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?		

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<u>Part 3: Find Stratovolcanoes/Composite Volcanoes</u>
Find 2 stratovolcanoes and fill in the following chart. Use *Google Earth*® for this.

	Volcano #1	Volcano #2
Volcano Name	Pinatubo	Volcano of Your Choosing:
Location (City, State, Country)	Luzon, Philippines	
Latitude & Longitude	Lat.:	Lat.:
_	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?		

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Part 4: Find Calderas
Find 2 caldera super volcanoes and fill in the following chart. Use Google Earth® for this.

·	Volcano #1	Volcano #2
Volcano Name	Yellowstone	Volcano of Your Choosing:
Location (City, State, Country)	Wyoming, USA	
Latitude & Longitude	Lat.:	Lat.:
3	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

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?