Unit 1: Earth's Surface Quiz

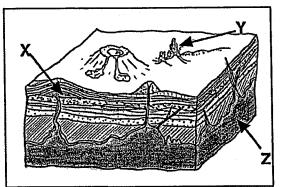
right?

Topic: Volcanism (A)	14dille
1. A hot volcanic mudflow is known as	Layers of cinders and lava Moderate slop
2. What type of cone is shown on the	(Moderate slop

- 3. Give 3 benefits of volcanoes.
- 4. A huge volcanic crater formed by explosion or implosion is known as a
- 5. Name features X, Y, and Z shown on the diagram on the right.

 X

 Y



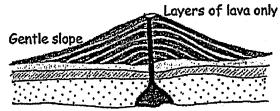
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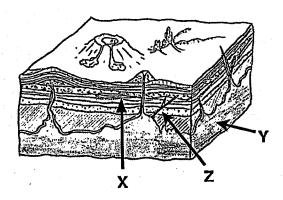
Unit 1: Earth's Surface Quiz

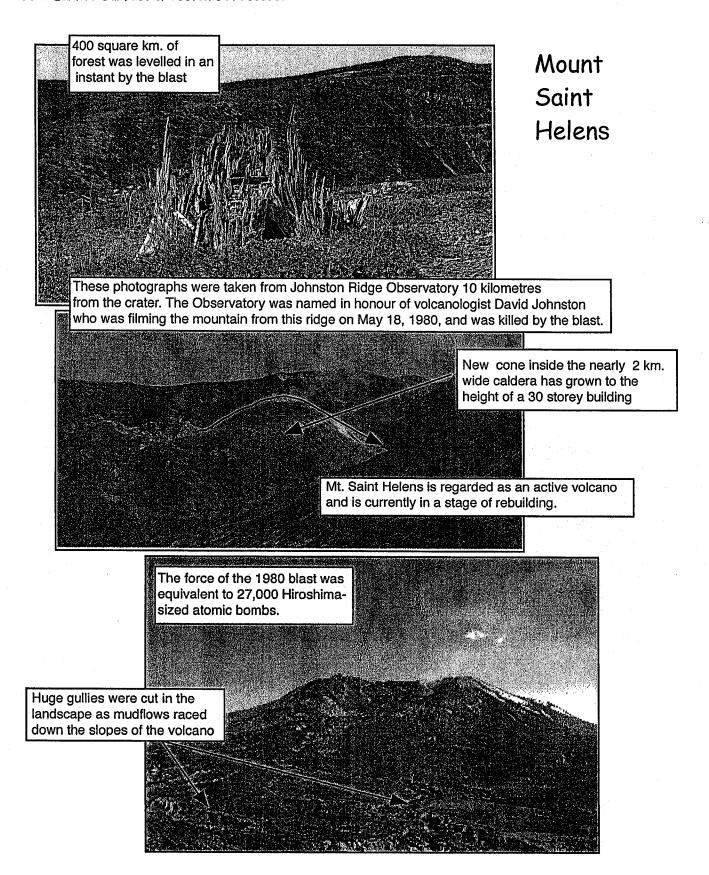
Fopic: Volcanism (B)	Name	
. The Hawaiian Islands are volcanic islands but they are far from any plate margin. Why has this island thain formed in this part of the Pacific Ocean?		
2. Why is there a chain of isla	nds in Hawaii and not just one large island?	
2. Why is there a chain of isla	nds in Hawaii and not just one large island?	

- 3. What type of volcanic cone is shown on the right?
- 4. _____ refers to any material blasted out of a volcano.
- 5. What type of lava forms spectacular columns when it cools?
- 6. Name features X, Y, and Z shown on the diagram on the right.

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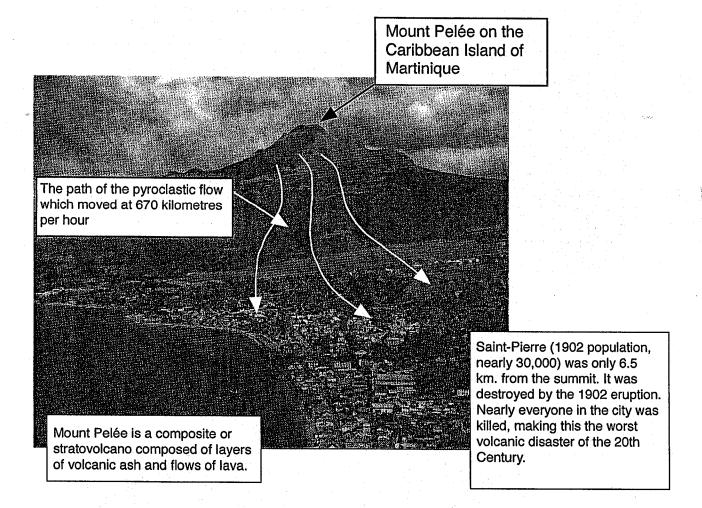


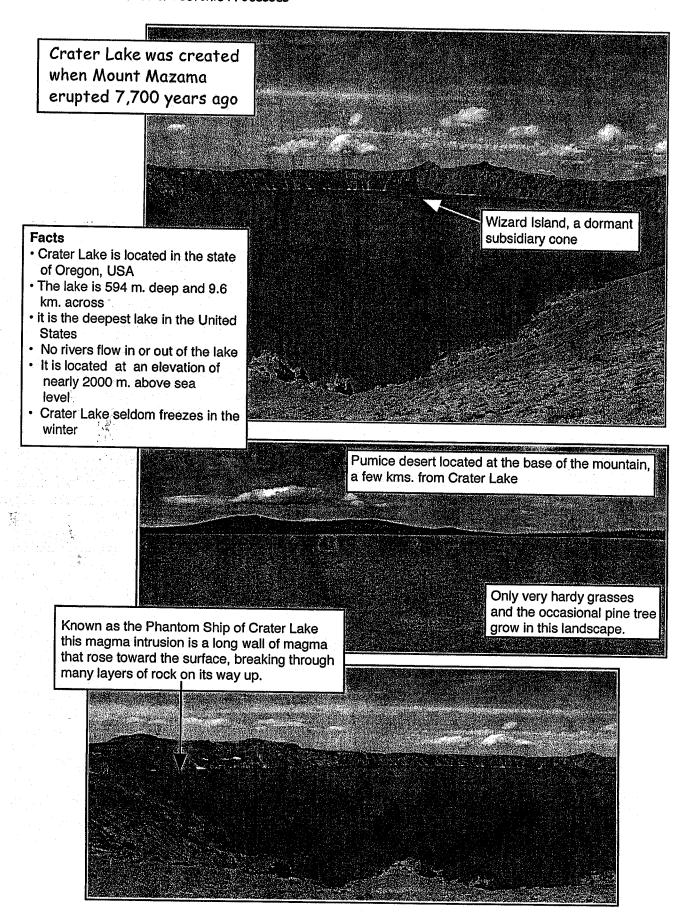




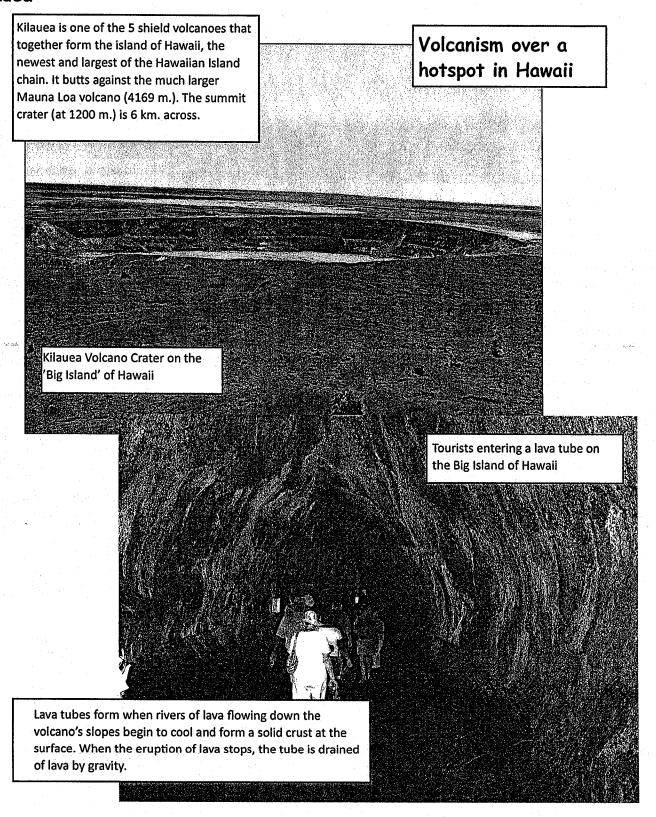
Mount Pelée

-is the most active volcano in the Lesser Antilles volcanic arc where the oceanic crust of the South American Plate is subducting beneath the Caribbean Plate. Last eruptions were in 1902 and 1929.





Kilauea



	Name
1. What type of volcanic cone is Mount Saint Helens?	
	· · · · · · · · · · · · · · · · · · ·
2. Mount Saint Helens is the youngest in a long line of vo In fact, similar volcanic cones exist along the Pacific C way down to Southeast Asia. This horseshoe shaped lir of Fire. Why are there so many volcanoes along the en	oastline from South America up to Alaska and all th
3. After the eruption of Mount Saint Helens, over 400 so on the surface survived the blast. Thousands of animal mountain was obliterated by the violent eruption. A light plants but nothing else survived. Scientists were amaze the thick layer of volcanic dust. Why did the plants grounds	quare kilometres of landscape lay in total ruin. Nothings, birds, and all vegetation on the north side of the not layer of snow on the ground protected some small at how rapidly plants becan to people on the small of the people of of
4. Much of the damage away from the blast zone was caused Valley to Portland Harbour nearly a hundred kilometres with thousands of tons of mud and debris.	sed by mudflows that raced down the Toutle River away. In a matter of hours, the harbour was choke
What is a volcanic mudflow called?	
What is a volcanic mudflow called?	 inental volcanoes erupt?
What is a volcanic mudflow called? Why are mudflows frequently a major problem when cont	inental volcanoes erupt?
Why are mudflows frequently a major problem when cont	
Why are mudflows frequently a major problem when cont	nment.
Why are mudflows frequently a major problem when cont 5. List 3 ways that volcanoes negatively impact the enviro a.	nment,
Why are mudflows frequently a major problem when cont	nment.
6. List 3 positive effects of volcanic eruptions. a	nment.
Why are mudflows frequently a major problem when cont 5. List 3 ways that volcanoes negatively impact the enviro a b c 6. List 3 positive effects of volcanic eruptions.	nment.

Unit 1: Earth's Surface & Tectonic Processes

8. Crater Lake in Oregon USA was created when Mount Mazama erupted 7700 years ago. The large crater is called a caldera . Describe 2 ways that a caldera may form.
6
9. At 594 m. (1943 feet) deep, Crater Lake is the deepest lake in the United States and the seventh deepest in the world. No rivers flow in or out of the crater yet the water level remains relatively stable, fluctuating up or down no more than a few feet throughout the year. Where does the supply of water come from if no streams flow into the lake? What causes the water level in the lake to drop?
10. Mount Pinatubo in the Philippines erupted in June 1991 ejecting more than 5 billion cubic meters of ash and pyroclastic debris into the atmosphere. The ash cloud from Pinatubo was 18 kilometres wide and rose to an altitude of 30 kilometres. The eruption killed 847 people, left thousands homeless, and caused damage to infrastructure that would cost billions of dollars to repair.
What type of volcanic cone is Mount Pinatubo? What type of plate boundary is located in the Philippine Islands region?
11. The decade from 1990 to 2000 was (at the time) one of the warmest decades in recorded history, but the years following the eruption of Mount Pinatubo in 1991 were several degrees cooler than average. In fact, 1992 and 1993 have been called by climatologists 'the years without a summer'. How could this volcanic eruption have been responsible for cooling the earth?
12. Hawaii's Kilauea volcano is the currently the world's most active volcano. What type of volcanic cone is this? What type of lava is erupted from Hawaiian volcanoes?
All the Hawaiian Islands have been created by volcanic activity yet they are far from any plate boundaries. Explain why there has been so much volcanic activity in this region of the Pacific Ocean.
13. Why is there a chain of islands in Hawaii and not just one large island?