

Name _____

Hour _____

Study Guide for Volcanoes

Intro movie clip:



Label: Lava
Magma
Vent

A _____ is an opening in the Earth's crust through which hot molten rock, ash, and gasses reach the surface.

_____ volcanoes are currently erupting or have erupted in recent times.

_____ volcanoes have not erupted in historic times but will likely erupt again.

_____ volcanoes will never erupt again. They are dead volcanoes.

Volcanoes form at the boundaries of _____.

_____ (spreading) plate boundaries form mid ocean ridges.

_____ (colliding) plate boundaries form island arc and volcanic arc volcanoes.

_____ plate boundaries usually do not form volcanoes (however, earthquakes are common).



The Hawaiian Islands are _____ volcanoes.

The next Hawaiian Island is an undersea volcano named _____. It might reach the surface in 10,000 to 200,000 years.

Types of Volcanoes write two facts for each

Cinder Cone Volcano

Example:

Maua Kea Volcano

Fact _____

Fact _____

Shield Cone Volcano

Example:

Fact _____

Fact _____

Strato Volcano (composite cone)

Example:

Fact _____

Fact _____



Types of Eruptions

write two facts for each

Hawaiian Eruption

Fact _____
Fact _____

Strombolian Eruption

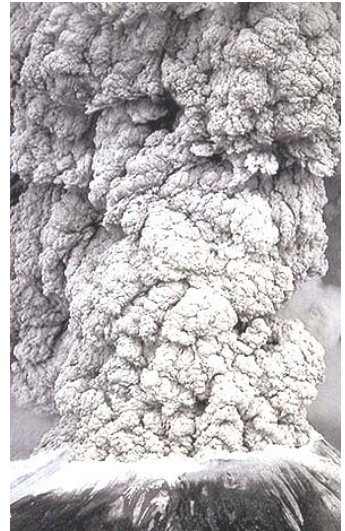
Fact _____
Fact _____

Vulcanian Eruption

Fact _____
Fact _____

Plinian Eruption

Fact _____
Fact _____



Yasur Crater Movie

What are they doing? _____

Why are they doing it? _____

Would you like to do this? Yes / No
Why or why not? _____



Famous Eruptions in History

write two facts for each

Mt. Vesuvius A.D. 79 Italy

Fact _____
Fact _____

Krakatoa 1883 Indonesia

Fact _____
Fact _____

Mt. Pelee 1902 West Indies

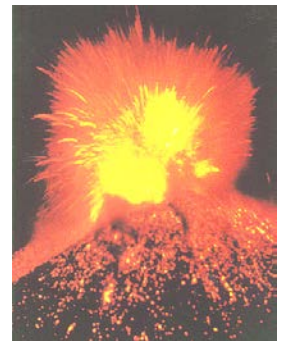
Fact _____
Fact _____

Paricutin 1943 Mexico

Fact _____
Fact _____

Mt. St. Helens May 18, 1980 8:32 A.M.

Fact _____
Fact _____



Describe the difference between Mt. St. Helens before and after the May 18th eruption. _____

Who was David Johnston? What happened to him? _____

Who were Maurice and Katia Krafft? What happened to them? _____

