

Volcanic Necks, Dikes, and Sills.

- A Volcanic neck looks like a giant tooth in the ground.
- A volcanic neck is formed when molten magma hardens in the pipe.
- Dikes and Sills:
 - A dike is formed when magma forces across rock layers and hardens.
 - A sill is formed when magma squeezes between a layer of rock in the earth's surface.



Batholiths and Dome Mountains



- A Batholith forms at the core of mountains.
- A Batholith is also a large rock mass formed when magma cools inside Earth's crust.
- Dome mountains are smaller bodies of magma.
- Dome mountains are formed by the horizontal movement of lava stopped by horizontal layers of rock.
- In this case the magma pushes the rock upwards.

Quite Eruptions

- In Quite eruptions the magma flows easily.
- Also, the Quite Eruptions have thin runny lava.
- There are two types of lava in Quite Eruptions, the first is Panhoehoe, this is fast moving, hot lava.



Explosive Eruptions

- In Explosive Eruptions, the magma is thick and sticky.
- In Explosive Eruptions, the magma goes out the top, and not the sides.
- An Explosive Eruption pushes all the gases inside the volcano out.



Volcanic Landforms



- Shield Volcano
- Cinder Cone
- Composite Volcano

Name: Alex

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Composite Volcanoes

- Composite Volcanoes are volcanoes that alternate spitting things out, these things are, ash, cinder, and bombs.
- Composite volcanoes have tall cone shaped mountains.
- The layers of lava alternate with ash when the volcano explodes.
- Here are two examples of Composite Volcanoes: the first is Mt. Fuji in Japan, and Mt. St. Helens in Washington.



Shield Volcanoes

- **Shield Volcanoes are volcanoes that spew out thin layers of lava that go out the vent.**
- **The lava hardens on top of previous layers.**
- **The lava flows, flow gradually to build a wide, gently sloping mountain.**
- **Shield volcanoes rise from a hotspot, so the Hawaiian Islands were created by Shield Volcanoes.**



Cinder Cone Volcanoes

- Cinder Cone Volcanoes produce thick stiff lava and ash.
- The lava and ash pile around vents.
- One Cinder Cone Volcano is in Paricutin in Mexico.
- These volcanoes get to four-hundred feet high.

