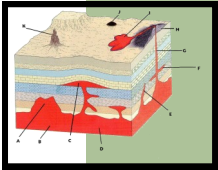


Volcanic Neck, Dikes, and Sills.

- A Neck is when lava in the pipe hardens and the rock around it wears away, leaving the hardened rock in the pipe.
- Dike is magma that forces upward through layers of rock.
- When magma squeezes in between rock it forms a sill.



Batholiths and Dome Mountains

- Batholiths are when magma cools inside the crust.
- Rock above it wears away and a big dome shape is left.
- A dome mountain is when a smaller body of magma is forced up but is blocked by a horizontal layer of rock. The magma bends the rock upward. The magma cools and the rock on top wears away, leaving a big dome.



Quiet Eruptions

- Quiet eruptions happen when magma flows easily.
- Thin, hot lava that is low in silica
- **Pahoehoe**-Thin, hot, fast moving lava. Produces smoother, ropy rock.
- **Aa**- Thick, slow moving lava. Produces jagged rocks when it cools.



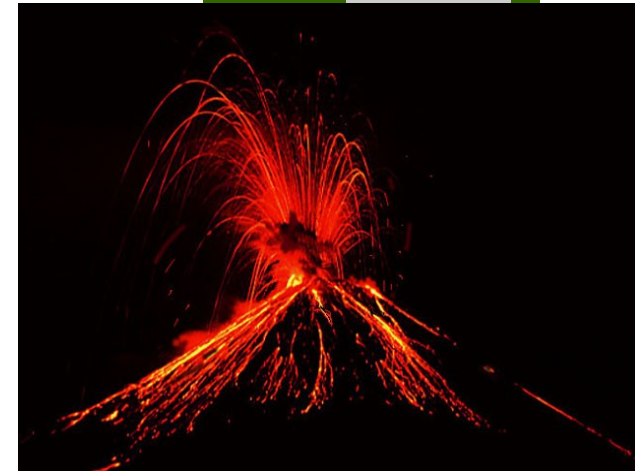
Explosive eruptions

- Happens when there is high silica content in magma and magma is thick and sticky
- Plugs volcano pipe and pressure builds, and a big explosion happens.
- Bits of hardened magma, ash, and gas fly everywhere.



Volcanic Landforms

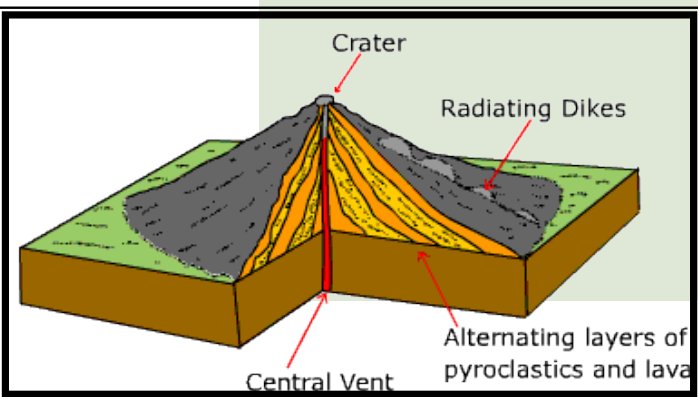
- **Shield Volcano**
- **Cinder Cone Volcano**
- **Composite Volcano**



By: Kevin

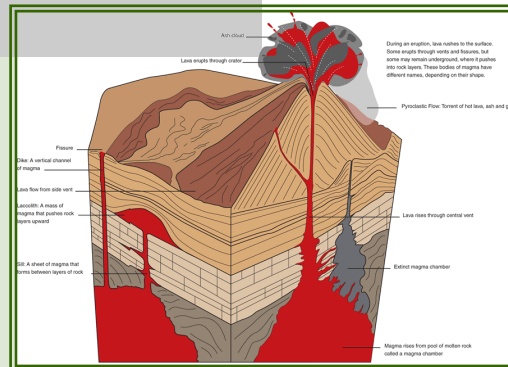
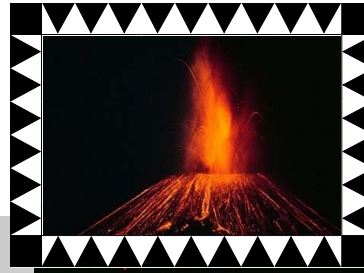
Composite Volcanoes

- Lava flows alternate with eruptions of ash, cinder, and bombs.
- Tall, cone shaped mountains.
- Mount Fuji and Mount St Helens are composite volcanoes.
- Mt Hood is a composite volcano in Oregon.
- Alternate with explosive eruptions and quiet eruptions.



Shield Volcanoes

- Shield volcanoes have thin lava that pour out of a vent. It forms many layers.
- Lava forms a small, gentle sloping mountain.
- Shield Volcanoes formed the Hawaiian Islands.
- Layers and layers form a gentle sloping mountain.
- Quiet eruptions.



Cinder Cone Volcano

- Cinder Cone volcanoes are steep and cone shaped.
- The lava is thick and stiff.
- Ash, cinder, and bombs pill up around the vent, making a steep mountain.
- Sunset crater is an extinct cinder cone volcano in Arizona.
- Explosive eruptions.

