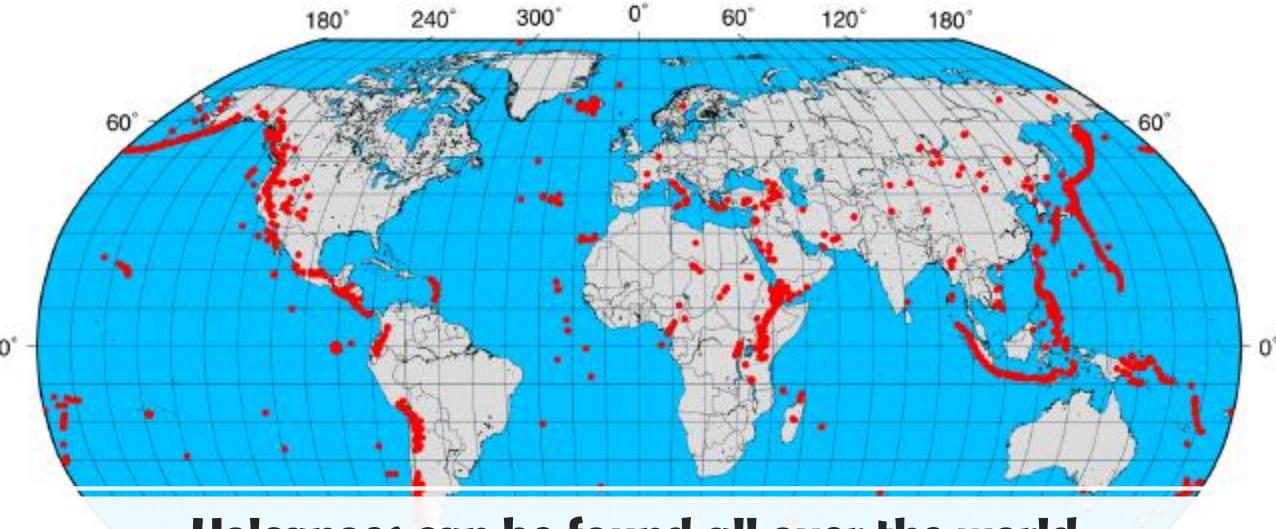
Types of Volcanoes

What is a volcano?
What are the 3 main types of volcanoes?
Can I describe each type of volcano?
What are examples of each type of volcano?





World Volcanoes



Volcanoes can be found all over the world.

There are 3 Types of Volcanoes.



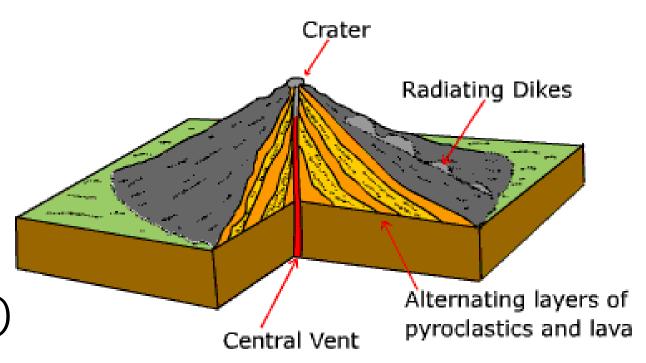
- Composite
- ·Shield
- ·Cinder Cone

Composite Volcano

• Tall, symmetrical cone-shaped mountains in which layers of lava alternate with layers of ash

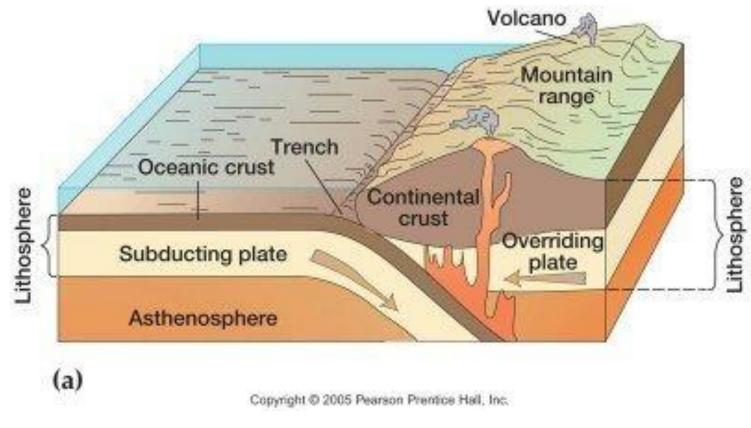
· Large (1-10 km across)

Also called
 Stratovolcano



Composite Volcano

- Usually form near a subduction zone at a convergent boundary
- The oceanic plate slips under the continental plate squeezing magma to the surface



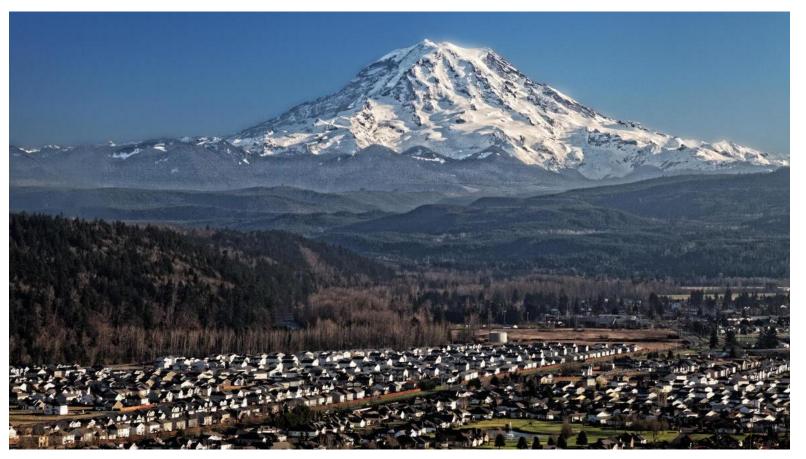
Composite Volcano





- Known for their explosive eruptions, they can also have quieter ones
- Can erupt pyroclastic flows, which is a dense, fast-moving flow of fragmented rock, volcanic ash, and hot gases at high speeds.

Mount Rainier is a composite volcano southeast of Seattle in Washington.



It is amongst the most dangerous volcanoes in the United States.

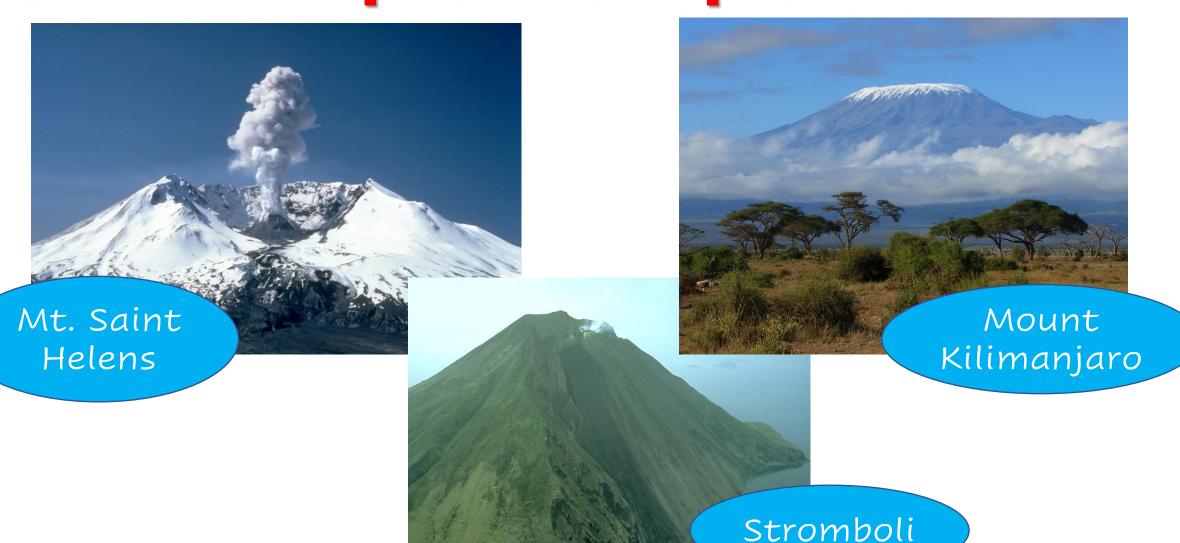
Mt. Etna is a composite volcano in Italy.



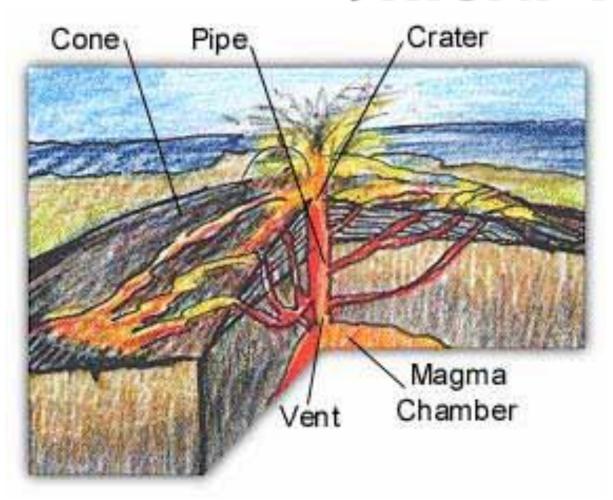


Mt. Etna is the highest and most active volcano in Europe.

Other Examples of Composite Volcanoes

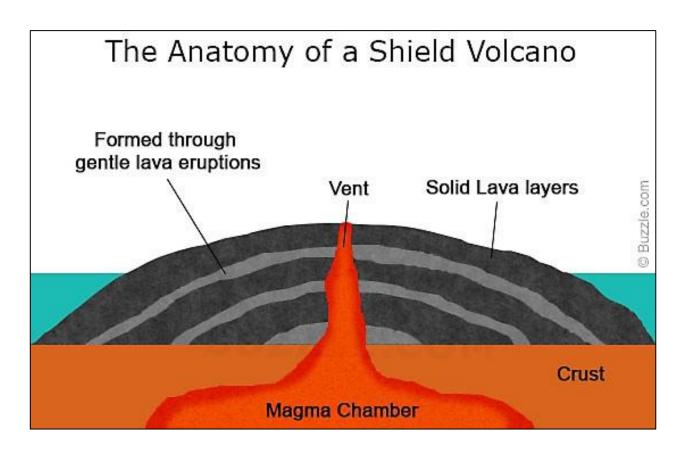


Shield Volcano



- Wide, gently sloping mountain
- Not steep; Slope at 15 degrees or less
- Largest volcanoes on Earth

Shield Volcano



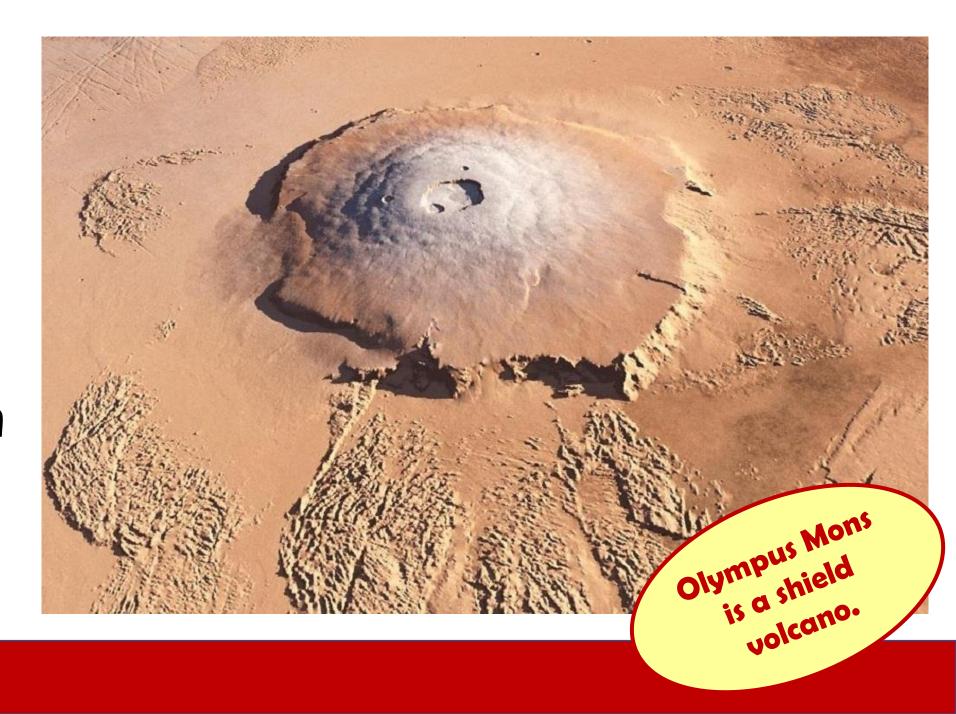
- Usually form over Hot Spots in the ocean
- Characterized by relatively quiet eruptions with lava flows
- Runny, low viscosity lava

Hot Spot: area where magma in the mantle melts through the crust like a blow torch

Mount Kilauea is an active shield volcano in the Hawaiian Islands.



Olympus Mons on Mars is the largest volcano in the solar system.

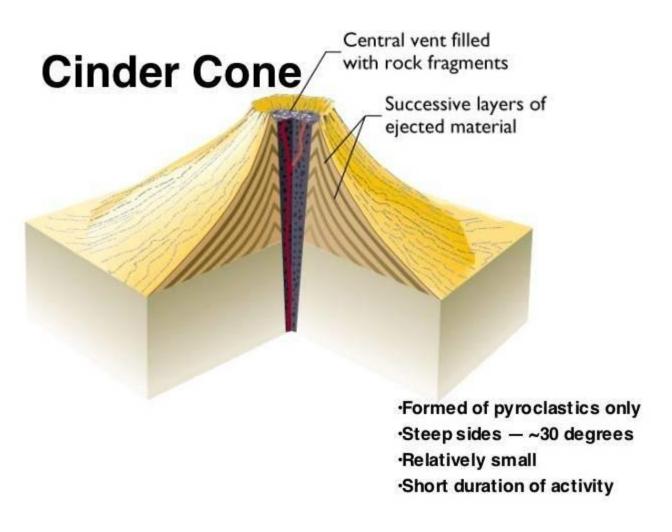


Other Examples of Shield Volcanoes



Cinder Cone Volcano

- Steep cone-shaped hill or mountain with loose volcanic material around vent
- · Smallest volcano
 - less than 300 m or 1000 ft high
- Relatively steep slopes
 - 30 40 degrees



Cinder Cone Volcano



- Usually form on or near a larger volcano
- Most common type of volcano
- Smallest volcano

Cinder Cone volcanoes are known to erupt cinder blocks.



A cinder block is a solid rock fragment that is ejected during an explosive eruption.



Sunset Crater erupted about 1085
A.D. In 1920, a
Hollywood producer wanted to simulate an eruption from its vent.





This led to the establishment of the Sunset Crater Volcanic National Monument to protect it.

Pu'u ka Pele is a cinder cone volcano located on the southeast flank of Mauna Kea.



Other Examples of Cinder Cone Volcanoes



Types of Volcanoes Table

Type of Volcano	Write a description of the volcano.	Example	Draw a model of the volcano.
Composite Volcano			
Shield Volcano			Can vous
Cinder Cone			this diagram

Volcano

Types of Volcanoes Table

Type of Volcano	Write a description of the volcano.	Example	Draw a model of the volcano.
Composite Volcano	Tall, symmetrical cone-shaped mountain with layers of lava and ash. Explosive and quiet eruptions. Can erupt pyroclastic flow. Form at subduction zones.	Mt. Rainier, Mt. Saint Helens, Mt. Etna	Stratovelcano
Shield Volcano			
Cinder Cone			

Volcano

Types of Volcanoes Table

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Shield Volcano	Gently sloping mountain with quiet eruptions. Largest of all volcanoes. Often form at hot spots.	Mt. Kilauea, Rangitoto, Mauna Loa, Erta Ale	Shield Volcane

Write a deceriation of the value

Cinder Cone Volcano

Types of Volcanoes Table						
Type of Volcano	Write a description of the volcano.	Example				
Composite Volcano	Tall, symmetrical cone-shaped mountain with layers of lava and ash. Explosive and quiet eruptions. Can erupt pyroclastic flow. Form at subduction zones.	Mt. Rainier, Mt. Saint Helens, Mt. Etna				

Draw a model of the

volcano.

Shield Volcano Gently sloping mountain with quiet eruptions. Largest of all volcanoes. Often form at hot spots.

Cinder Cone

Volcano

Rangitoto, Mauna Loa, Erta Ale Sunset Crater, Paricutin, Cerro Negro

Mt. Kilauea,

Steep, cone-shaped hill or mountain that can erupts pyroclastic material, ash, and cinders. Smallest volcano and most common.

Check out our other volcano slideshows at The Homeschool Daily under Science!

And though I have the gift of prophecy, and understand all mysteries, and all knowledge; and though I have all faith, so that I could remove mountains, and have not charity, I am nothing.

I Corinthians 13:2

