

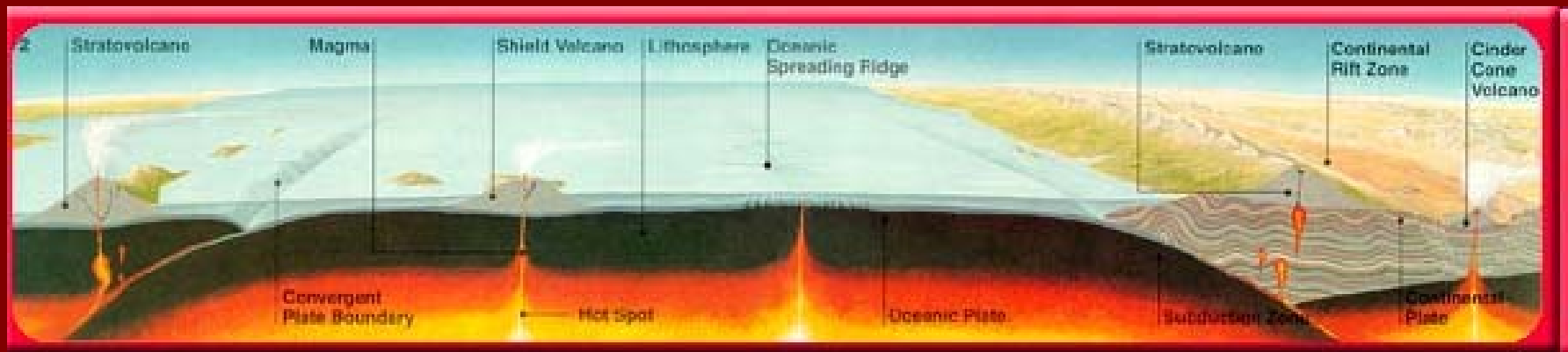
VOLCANOES



Volcanoes are mountains that erupt, sometimes explosively



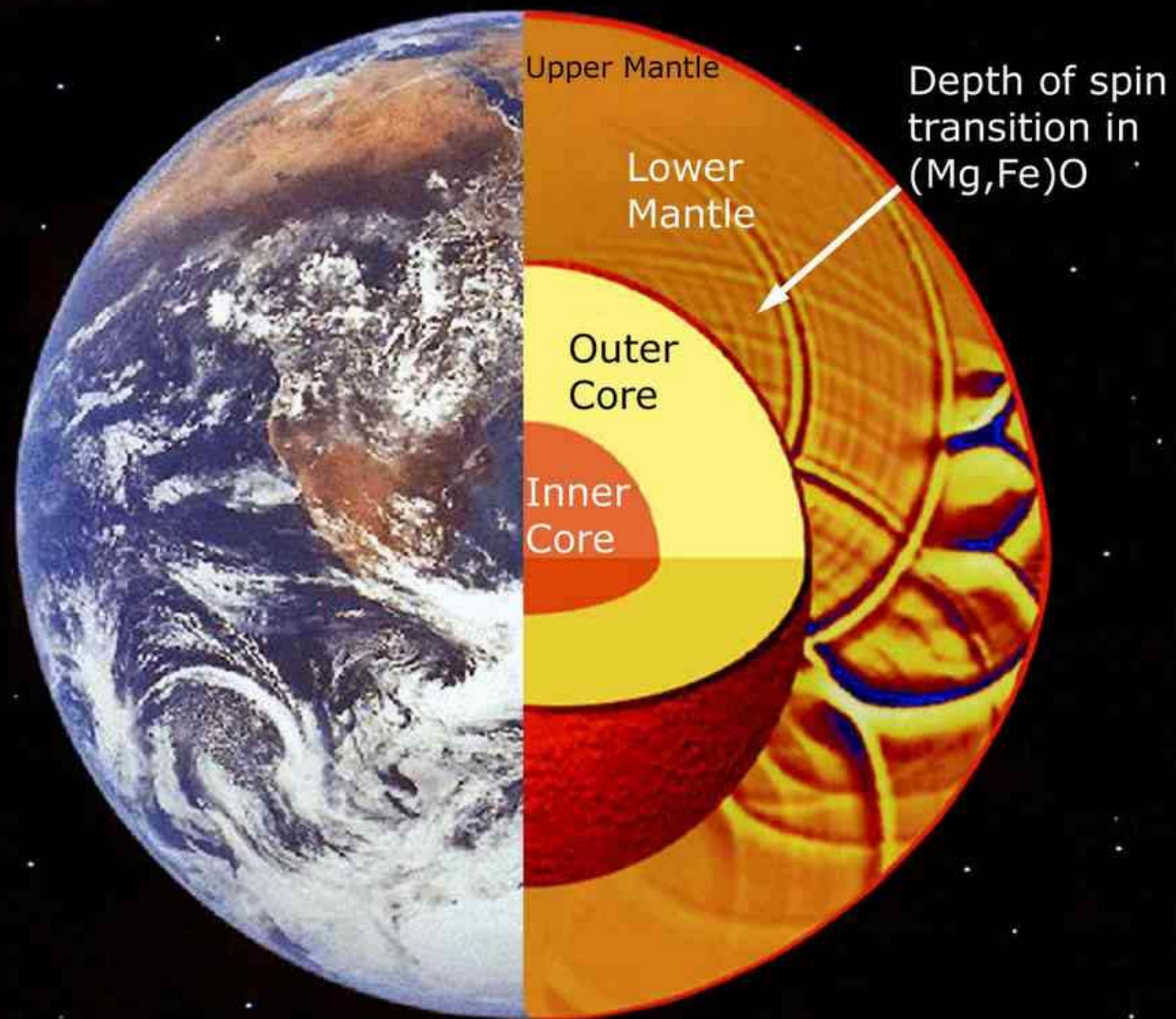
Where do volcanoes erupt?



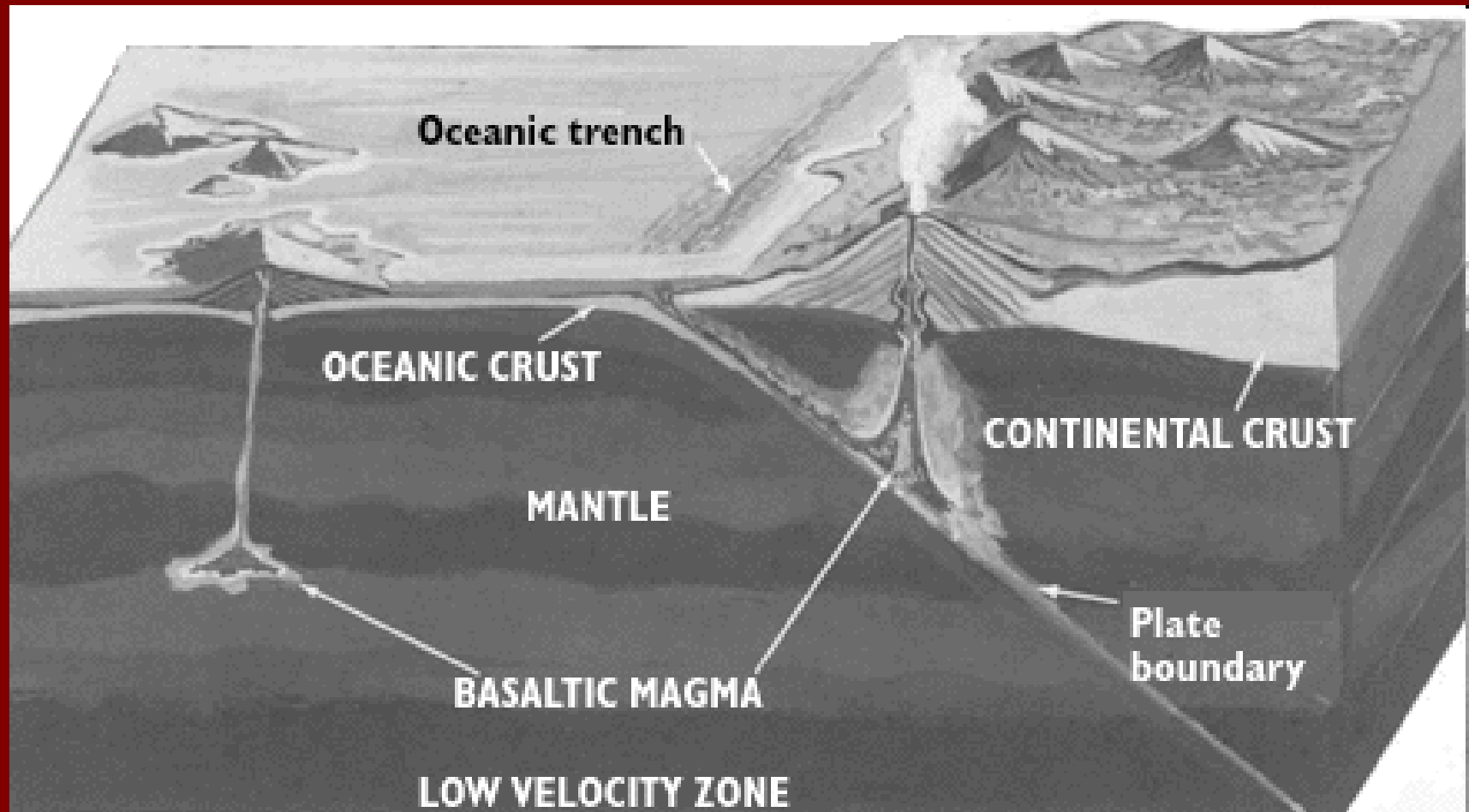
Vulcan



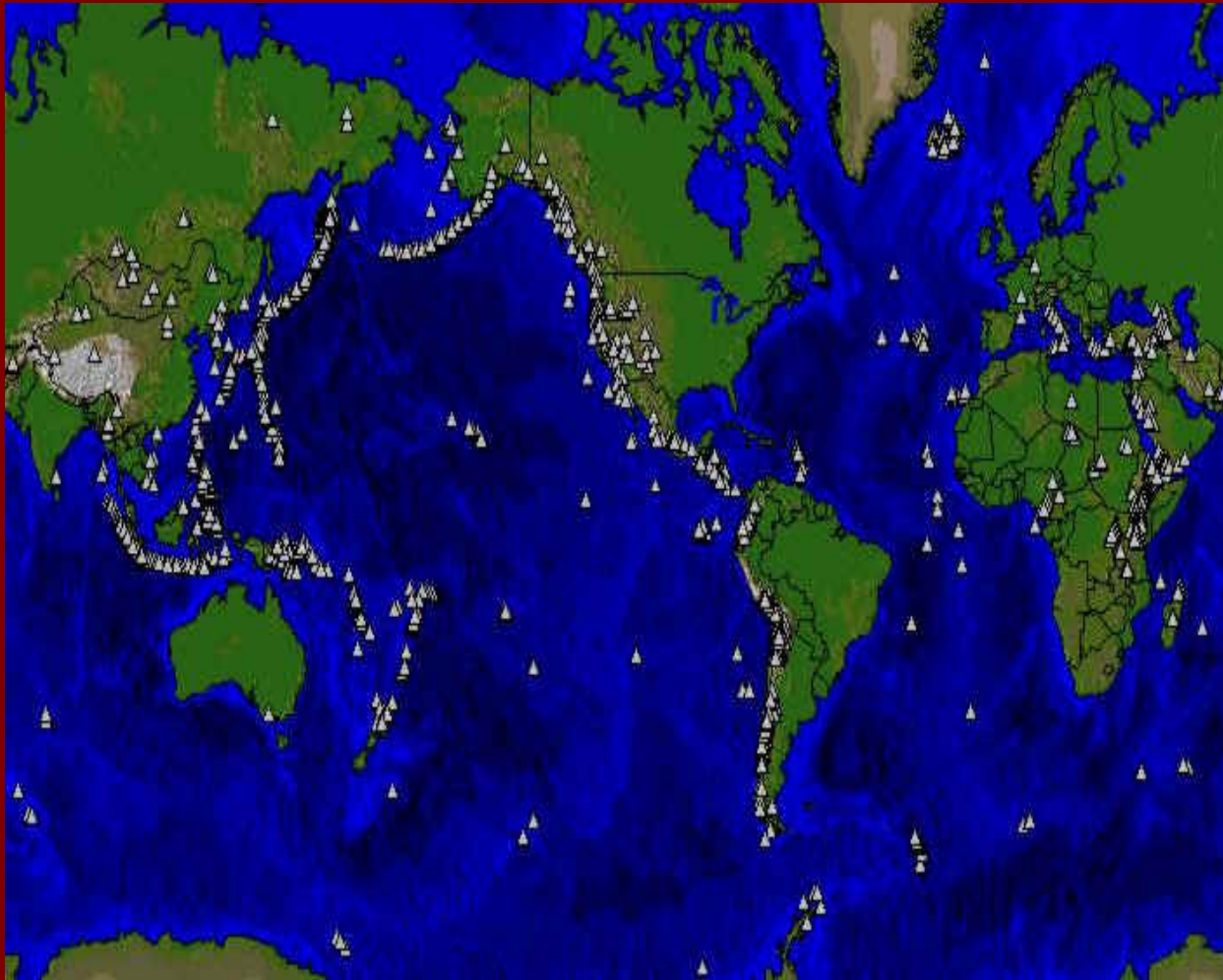
Roman God of fire and blacksmiths

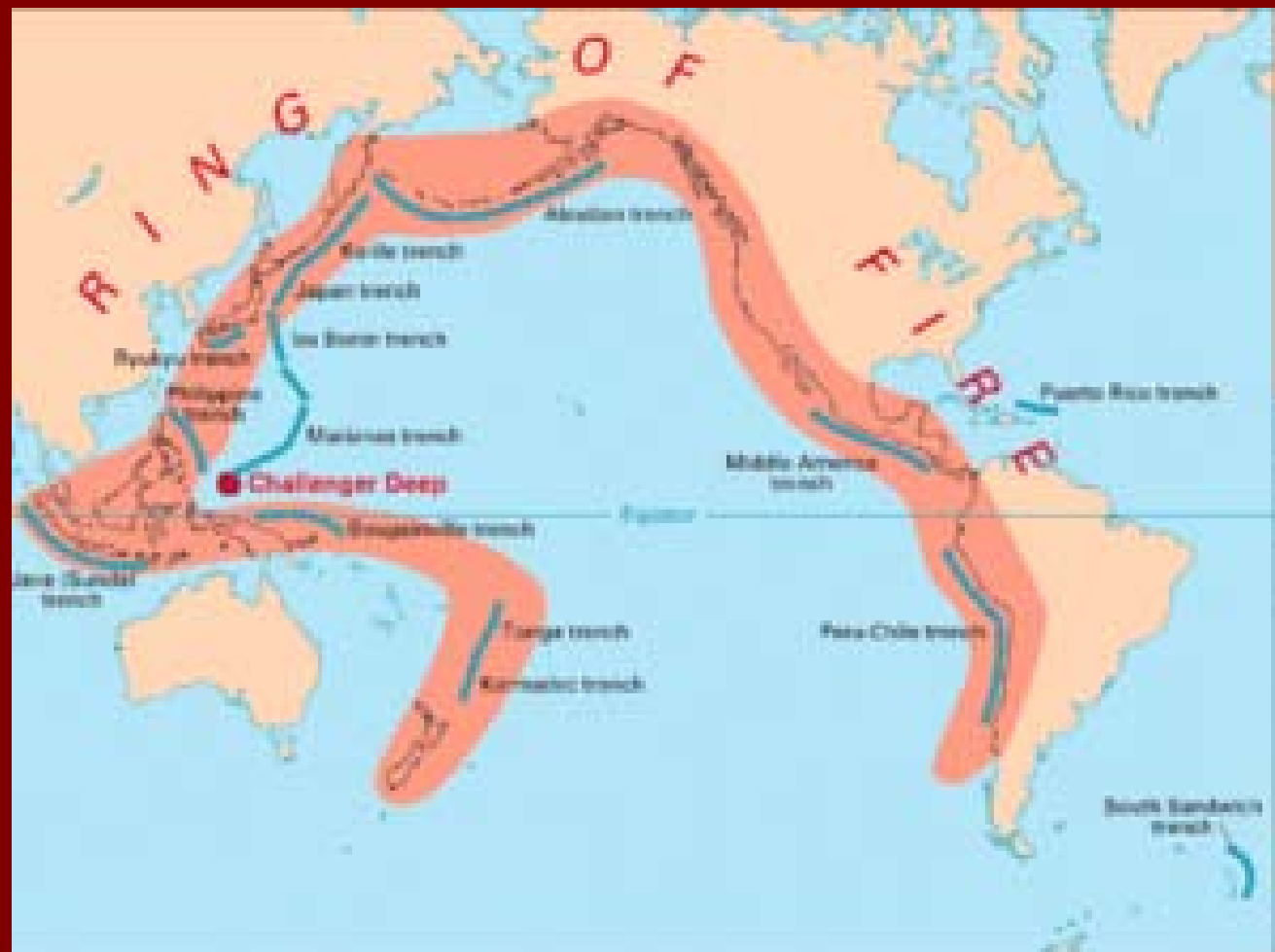


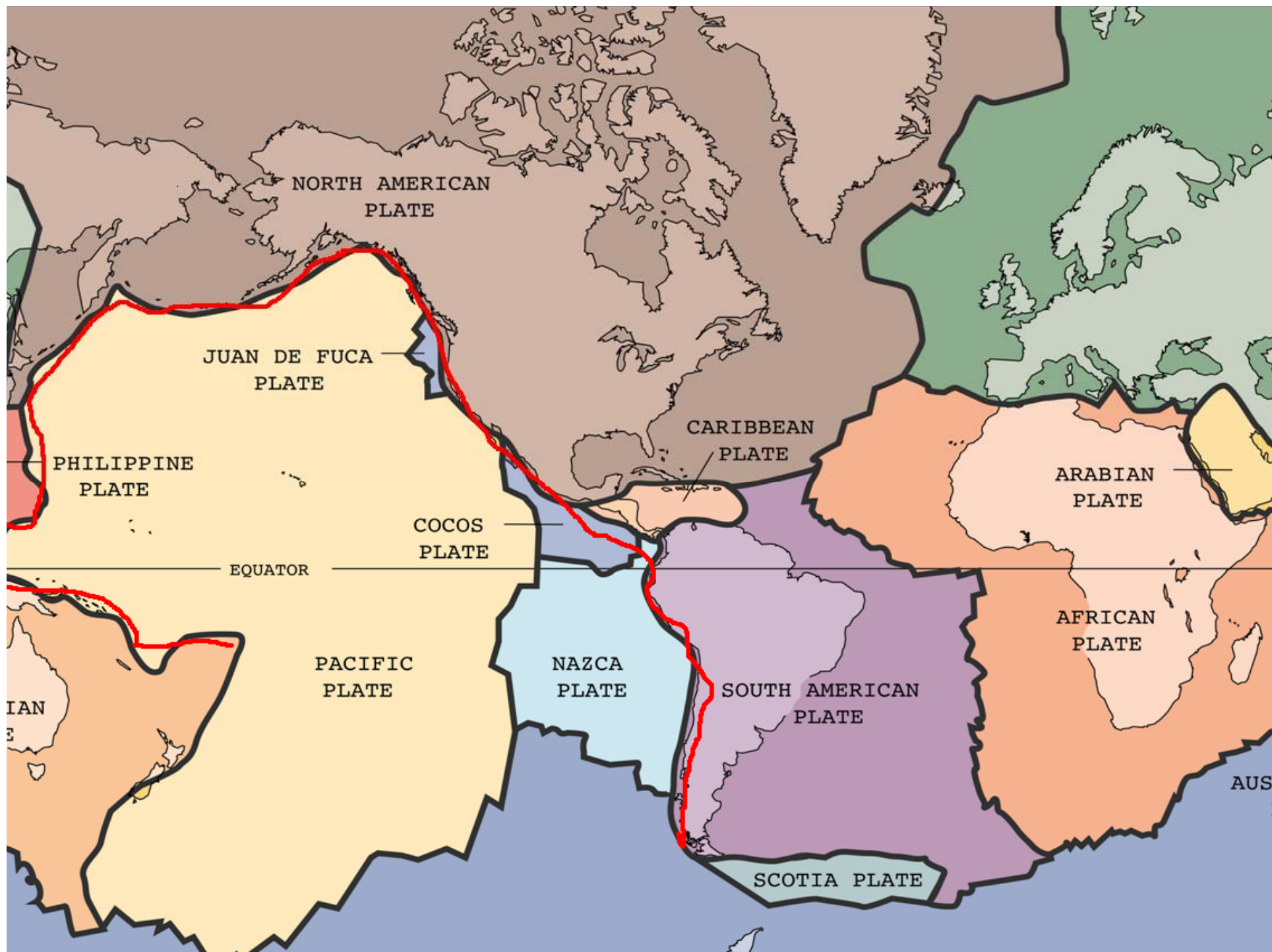
Typical ocean and continental types of volcanoes



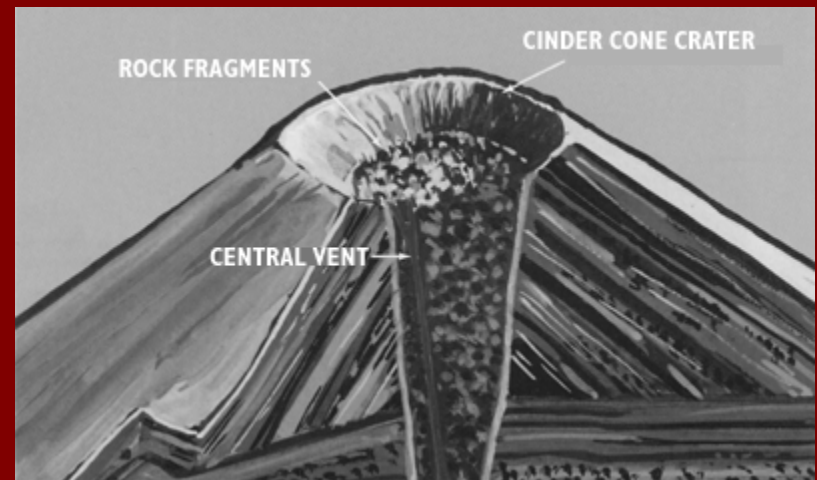
The ring of fire – oceanic volcanoes



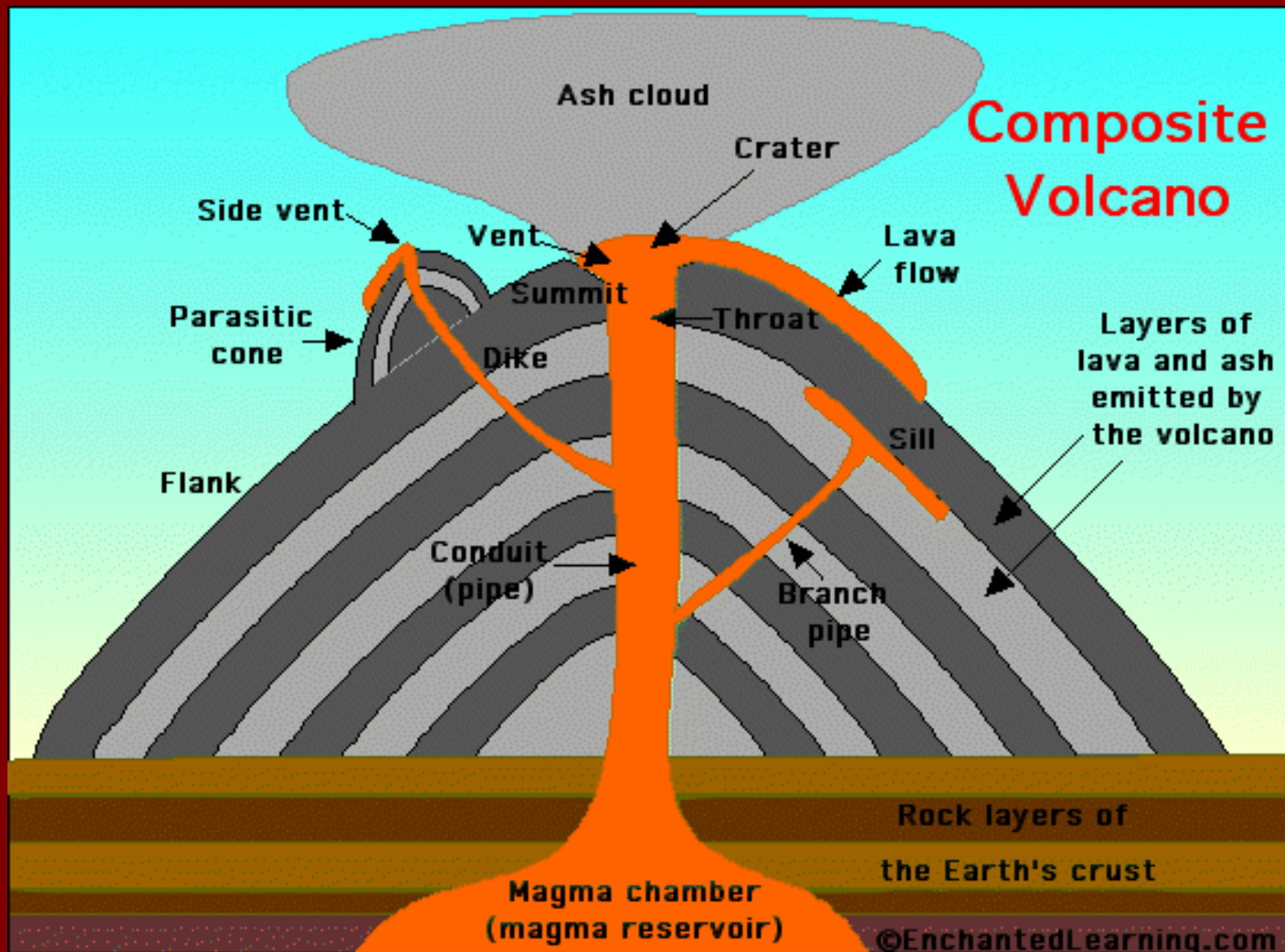




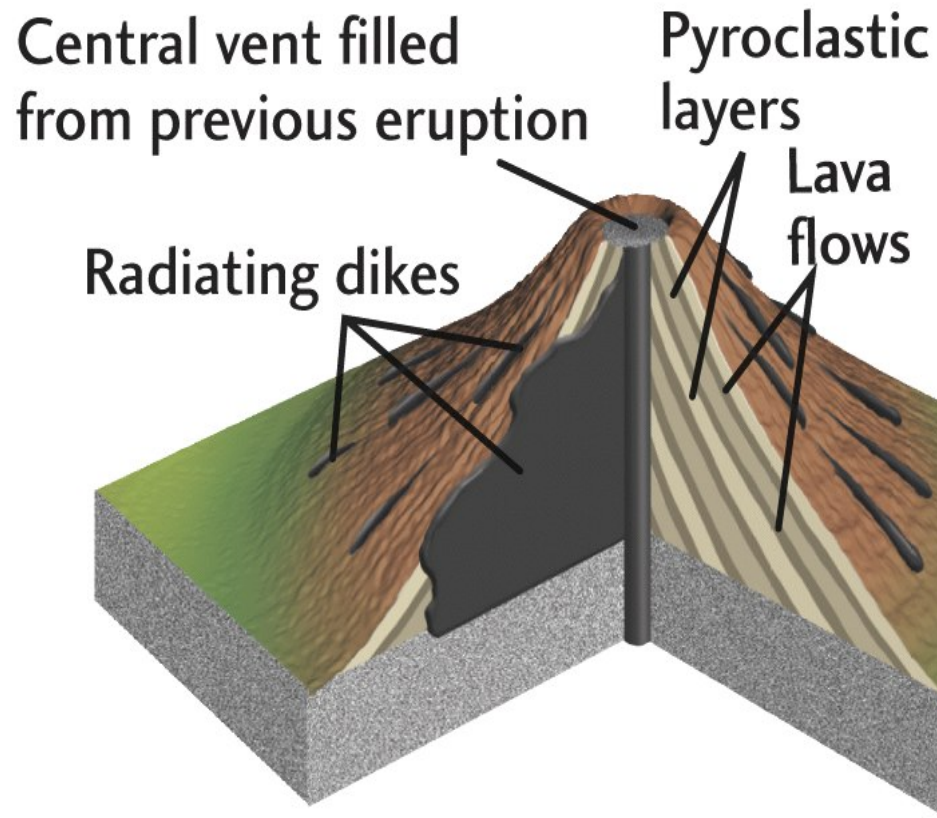
Cinder Cones



Composite Volcano



(d) Composite volcano



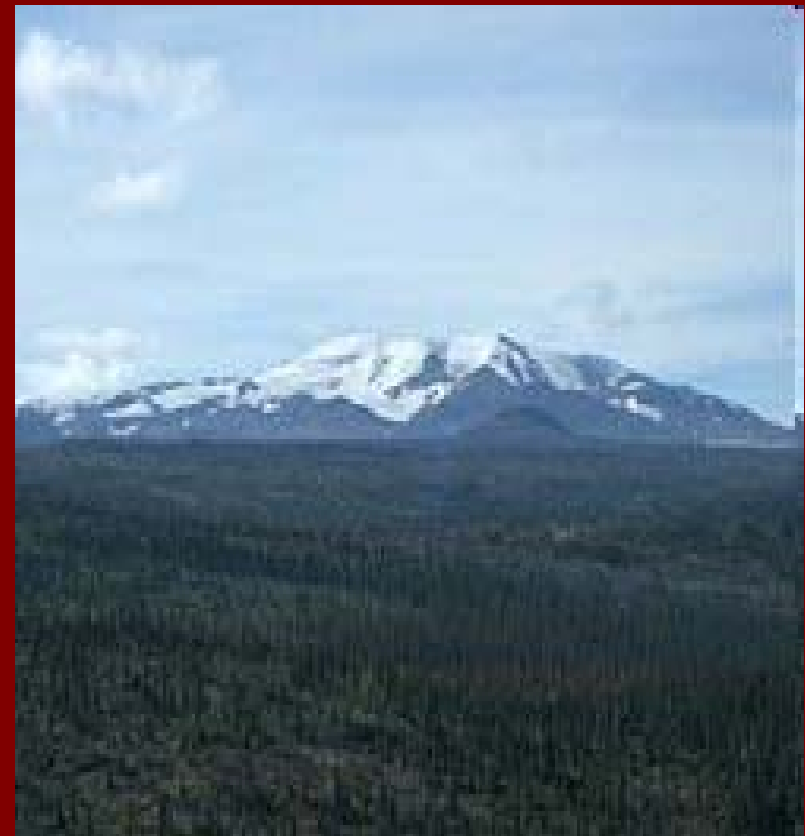
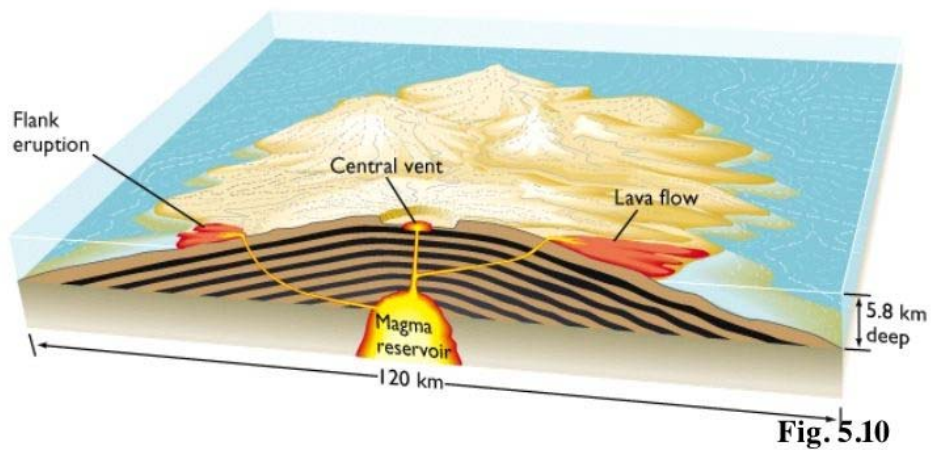
Mount Fuji
(Japan)





Shield Volcanoes

Shield Volcano



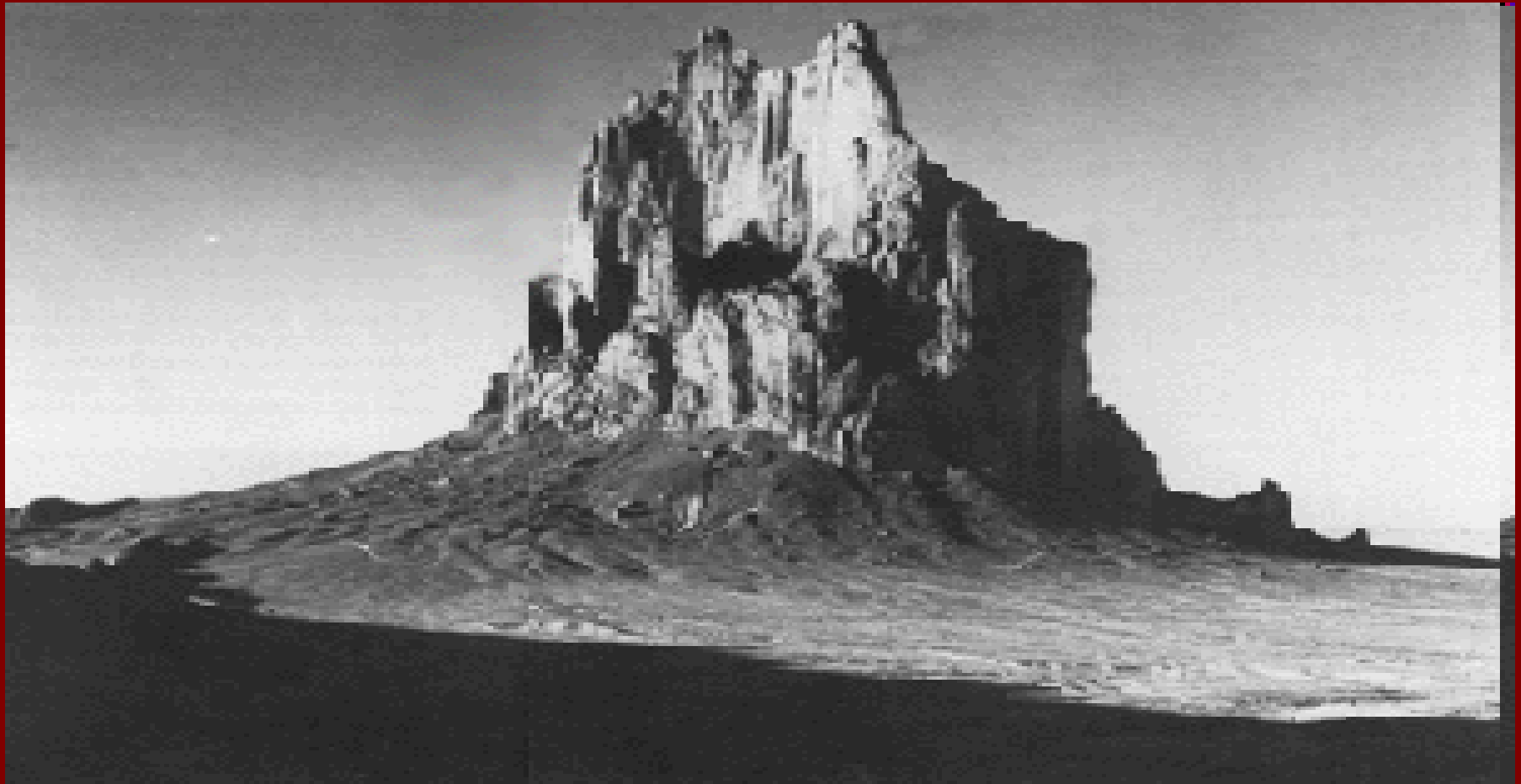
Strata Volcanoes



Calderas



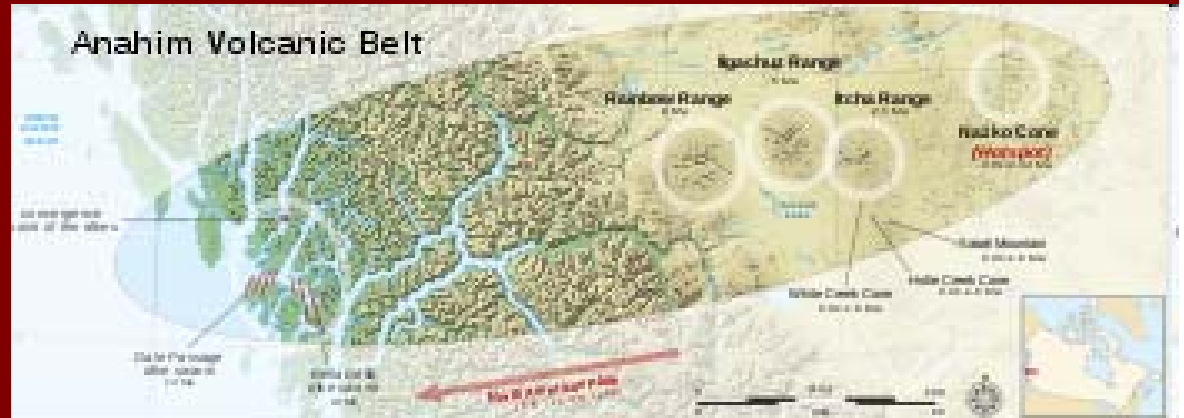
Plugs (necks)



Volcanoes in Canada



- Mount Meager
- Mount Cayley
- Anahim Volcanic belt



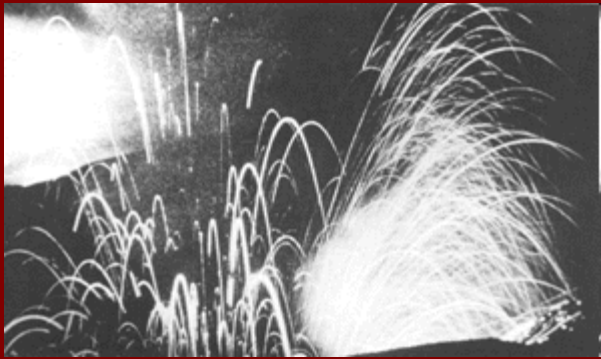
Volcanoes in Iceland



Geothermal volcanoes



Types of eruptions



2004-07-07 00:42:53 UTC



101/20/01/14.5 (100%)

Lava fountain



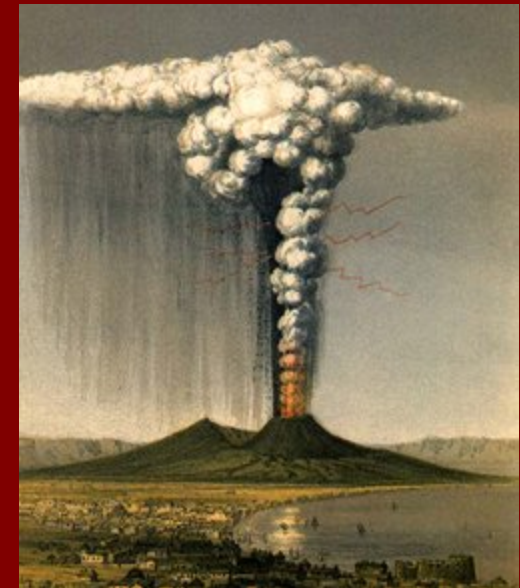
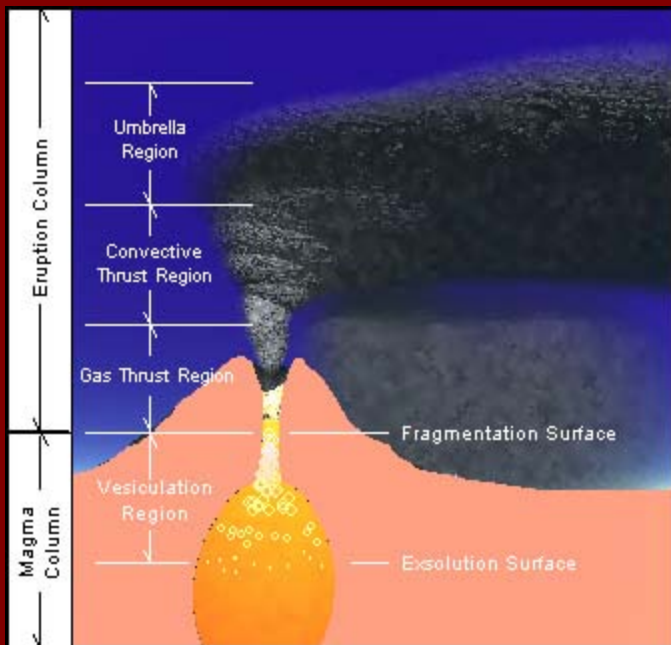
Pele's Hair



Plinian Eruptions



■ Glowing Avalanches



Mount Vesuvius



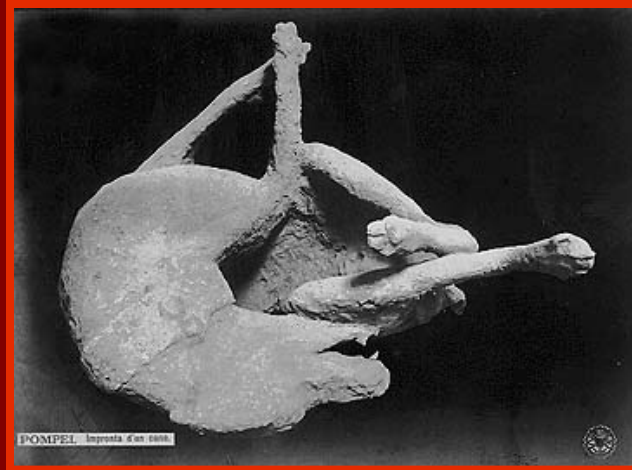
- Today, 700 000 people live on the slopes of the volcano.

Eruption in year 79 destroyed the cities of Pompeii, Herculaneum, Oplontis, and Stabies





Pompeii—Mount Vesuvius





Pumice— violent separation of gas from lava
produces 'rock foam'

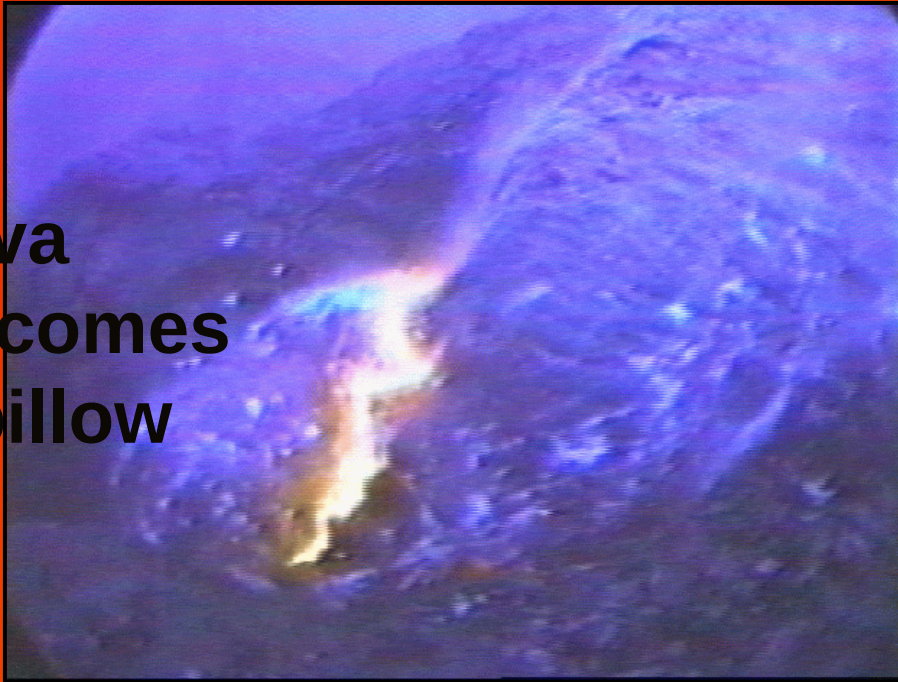


Underwater volcanoes



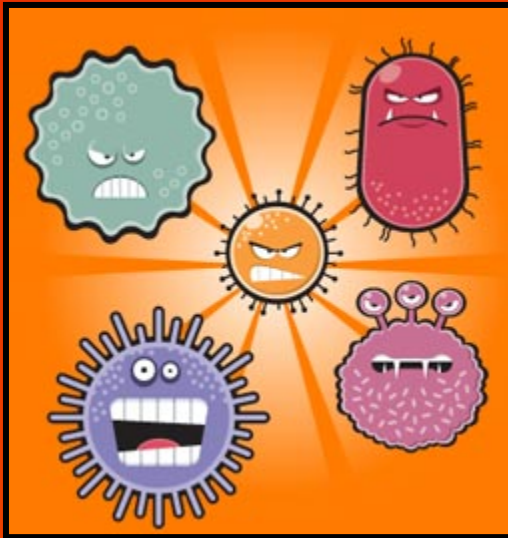
Pillow eruptions

Lava
Becomes
a pillow



Underwater vents

A source of life



Life on “Dave”



“Eel City”





Inhabitants in a crater of an underwater volcano

