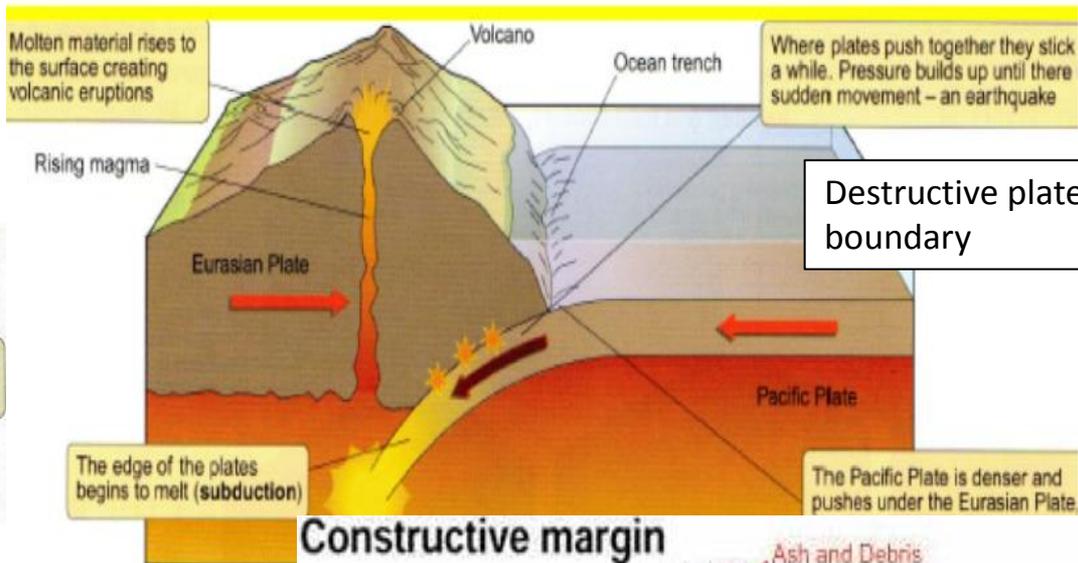
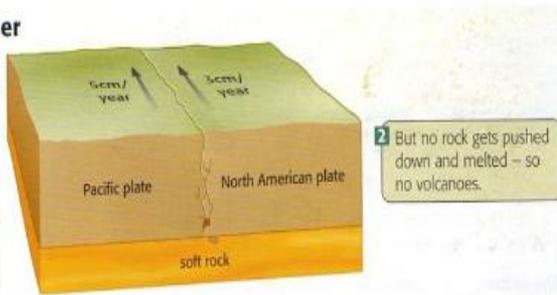


Conservative Plate Boundary

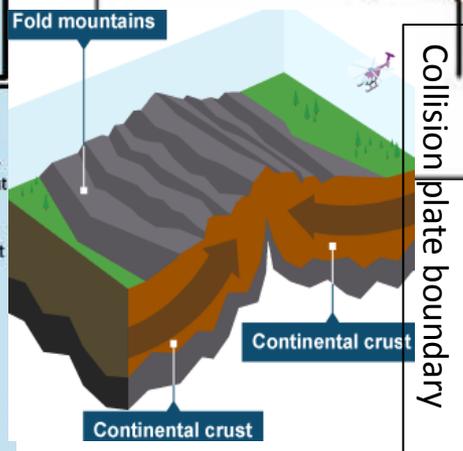
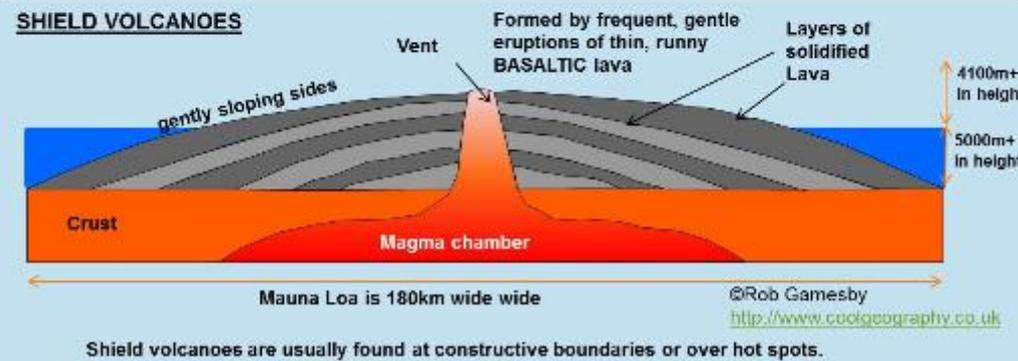
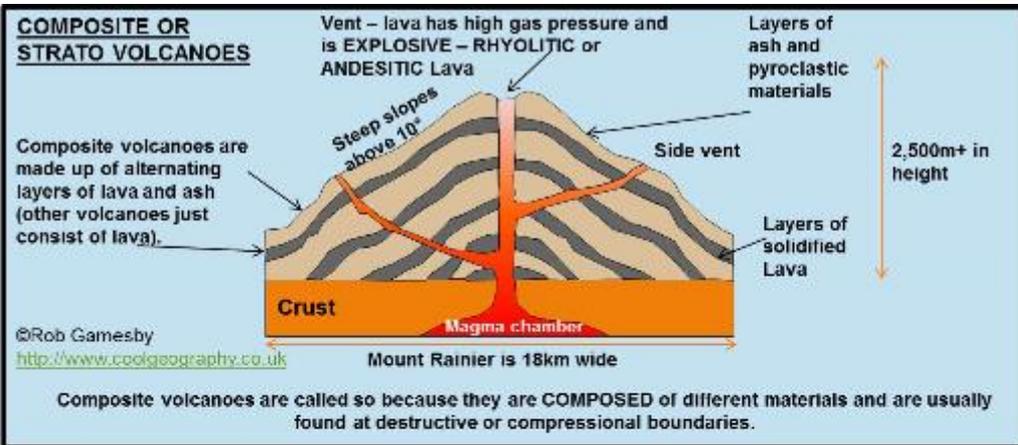
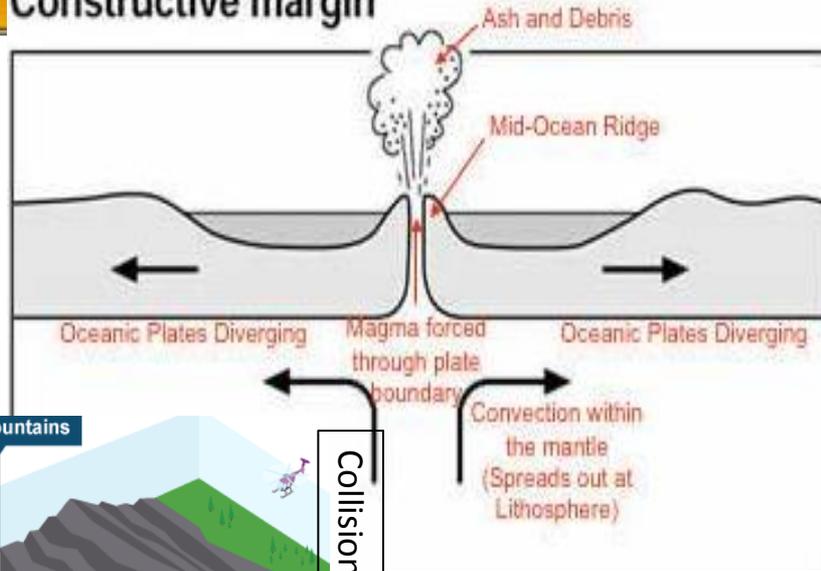
This type of plate boundary occurs in California, USA where the North American and Pacific plates slide past each other. The example there is known as the San Andreas fault. It explains why Los Angeles and San Francisco experience earthquakes.

Plates slide past each other

The Pacific plate is sliding past the North American plate. (Look at the map on page 105.)



Constructive margin



A **natural hazard** is a natural phenomenon that might have a negative effect on people or the environment.

Examples are Volcanos, Earthquakes & Tsunamis

	Haiti Earthquake 12th Jan 2010 7 magnitude
Why the did it occur?	Conservative plate margin. The Caribbean and North American plate sliding past each other. The earthquake was caused by stress building up along the conservative plate margin, when this stress was released there was a sudden slip along the fault.
Primary Effects	The earthquake devastated large parts of the capital Port-au-Prince and resulted in massive loss of life making it one of the most destructive earthquakes of all time. 230,000 people were killed. 180,000 homes destroyed by the ground shaking.
Secondary Effects	2 million Haitians left with out food and water. Looting became a serious problem. Destruction of many government buildings meant the government struggled to manage the disaster. The police force collapsed. Damage to ports and main road so it was hard to get help to the people. People ended up living in tents for years. Disease was a problem with outbreaks of Cholera Many dead bodies in the rubble so mass graves were dug.
Planning and preparing for an earthquake	Haiti was not prepared because it had not had a recent earthquake. It had a weak government and very little money. Port-au-Prince was over crowded.
Earthquake s don't kill people , buildings do.	Most of the buildings were poorly constructed out of concrete and not designed to survive earthquakes. These heavy concrete building collapsed killing the people inside. Building regulations were not enforced in Haiti.

	Chile Earthquake 27th Feb 2010 8.8 magnitude
Why the did it occur?	Destructive plate margin. The Nazca plate moved under and eastward of the South American Plate. One of the most powerful earthquakes ever recorded
Primary Effects	A 15 storey building collapsed leaving 60 people trapped. Roads were blocked by falling debris, bridges collapsed. The death toll reached over 800, however no exact number has been recorded.
Secondary Effects	The quake generated a tsunami located 400 miles off the south coast of Chile. Chile was the only country hit by the 9ft tsunami. There were fires due to broken gas pipes and electricity and water mains breaking. The quake led to looting in some areas
Planning and preparing for an earthquake	Training people may involve holding earthquake drills and educating people via TV or radio . emergency kits and store Earthquake-proof buildings have been constructed in many major cities, Roads and bridges can also be designed to withstand the power of earthquakes. In 1960 Chile had a 9.5 earthquake(The largest ever recorded) so new buildings were built out of reinforced concrete and steel. Every few months children practise earthquake drills. Drop, cover and hold.
Earthquake s don't kill people , buildings do.	The Chilean government was well prepared for the earthquake. The government and local government had planned for a disaster. Building regulations are enforced.

Montserrat Volcano- June 1997, Caribbean, destructive plate boundary, pyroclastic flows, 19 people killed & many people left the island