

Dear President Bush:

We've been studying earthquakes for the past two weeks and we can see a pattern that coincides with where the tectonic plates are.

We think we have found a few solutions to help out Mexico and California. One of the ways we could help is by having supplies ready in case they had a very bad quake. Another way is to give them stuff they need. We could send them clothes, food, and other things they could use to help.

We have learned that Pangaea was once one super-continent. Then it started breaking up in pieces. Now there are fourteen oceanic plates. Their names are the Eurasian plate, Australian-Indian plate, Philippine plate, Pacific plate, Juan de Fuca plate, Naca plate, Cocos plate, North American plate, African plate, Arabian plate, the Antarctic plate, and the Scotia plate. They are made of rock and drift. They move vertically and horizontally.

There are four types of plate boundaries and they are divergent, convergent, transform, and plate boundary zones. The volcanoes can occur between the continental plates. The best known of the divergent boundaries is the Mid-Atlantic Ridge and the submerged mountain ridge, splitting the country of Iceland apart.

Volcanoes can occur between an oceanic and continental plate, between two oceanic plates, or between two continental plates. The volcanoes of oceanic-continental convergence in the Andes and Cascade Range in the Pacific Northwest have been named the Ring of Fire. California's problem is that two continental plates are sliding horizontally past one another.

Your friends,

Alejandro and Brandon