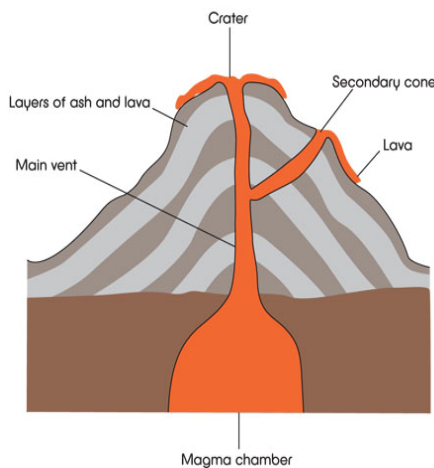


Tectonic Plates, Volcanoes and Earthquakes

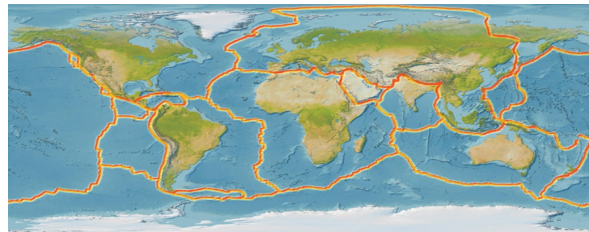
Sticky Knowledge:

I know the different types of rock (metamorphic, sedimentary and igneous).



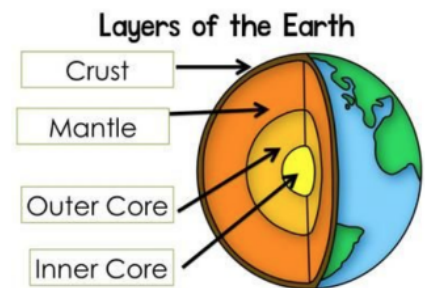
Key Vocabulary

Tectonic plates	pieces of land that connect together on the Earth's outer shell
Volcano	an opening in the earth's crust through which lava, volcanic ash, and gases escape. These can be active, dormant or extinct .
Earthquake	the shaking, rolling or sudden shock of the earth's surface
Tsunami	a large ocean wave usually caused by an underwater earthquake or a volcanic explosion
Fault	break or fracture in the ground that occurs when the Earth's tectonic plates move or shift
Fertile	land or soil that is fertile is able to support the growth of a large number of strong healthy plants
mantle, crust, inner core, outer core, magma, lava, settlement, resources	



I am a geography genius because:

- ✓ I know the structure of the Earth - crust, mantle, outer core and inner core
- ✓ I know that the crust is a layer of rock on the surface of the Earth
- ✓ I know that the crust and upper mantle of the earth are divided into large tectonic plates that 'float' on the liquid rock beneath
- ✓ I know that tectonic plates move very slowly over time and that when they suddenly slip past each other, this causes earthquakes that can have devastating consequences for human life through destruction of buildings and tsunamis (extremely large series of waves)
- ✓ I know that a fault is a crack in the surface of the Earth
- ✓ I know that volcanoes form at the edges of tectonic plates where there are faults
- ✓ I know that volcanic eruptions can be deadly for people living near to active volcanoes, but that the soil around volcanoes is very fertile meaning that people live there to ensure that crops grow successfully on farms



Places of interest: Mount Fuji, Krakatoa, Mount Etna, Vesuvius, Mount St. Helens, Cumbre Vieja (La Palma), Mount Pinatubo, Cotopaxi, Mount Vesuvius

