

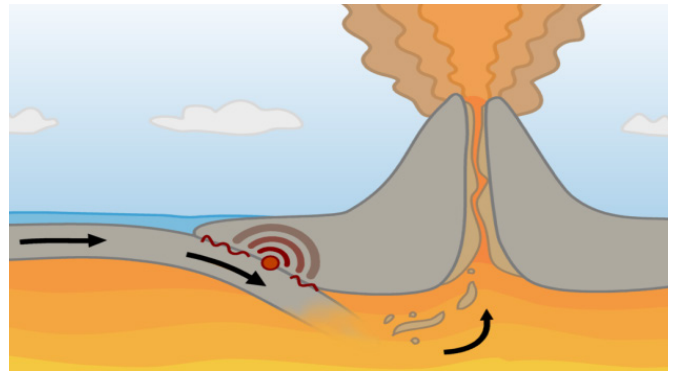
### Vocabulary

Magma	Molten rock in the mantle
Tectonic plate	A section of the Earth's crust
Plate margin	The line between two tectonic plates
Mountain range	A line of mountains
Fold mountain	Mountains formed when tectonic plates collide and cause the plates to wrinkle
Volcano	A mountain that erupts magma, rock, ash and gas
Earthquake	The sudden jump of tectonic plates to create violent shaking
Tsunami	Large ocean wave caused by underwater earthquake or volcanic eruption

### Volcanoes

#### Stratovolcano (composite)

Most of the world's volcanoes are composite volcanoes: made of layers of lava and ash; steep sides; tall.

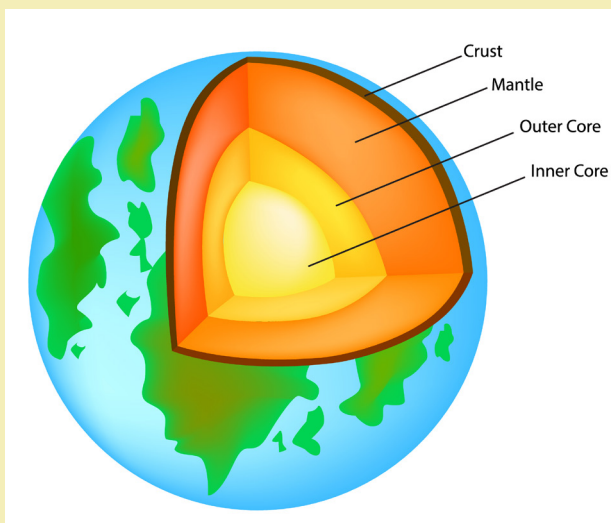


Volcanoes erupt when magma rises to the surface.

Earthquakes occur when plates jolt forward after getting stuck.

### Structure of the Earth

Crust	solid rock; broken into tectonic plates
Mantle	liquid/molten rock
Outer core	liquid metal; iron and nickel
Inner core	solid metal; iron and nickel



	Tohoku Earthquake 11/03/2011	Fuego Volcano 03/06/2018
Location	Japan	Guatemala
Primary Effects	16,000 people died 6000 people injured Buildings and houses destroyed	110 deaths 300 people injured Buildings and houses destroyed
Secondary Effects	Tsunami wave caused flooding	Crops destroyed causing hunger
Immediate Responses	Food, water, tents and medical care to people	Rescue trapped people
Long-term Responses	Rebuilding roads and houses	Rebuilding roads and houses