8th grade Notes Week 30 Day 2

Key Ideas/words

Rift zone/valley- area where plates are moving away from each other. This is when it happens on land

Deep Ocean Trench- happens in the ocean. It is a subduction zone that is in the Earth's crust

Key Ideas/words
Mid-Ocean Ridge- an elevation that occurs in the middle of the ocean (divergent boundary)

Subduction- when a plate goes UNDER another plate. Crust is destroyed (convergent boundary)

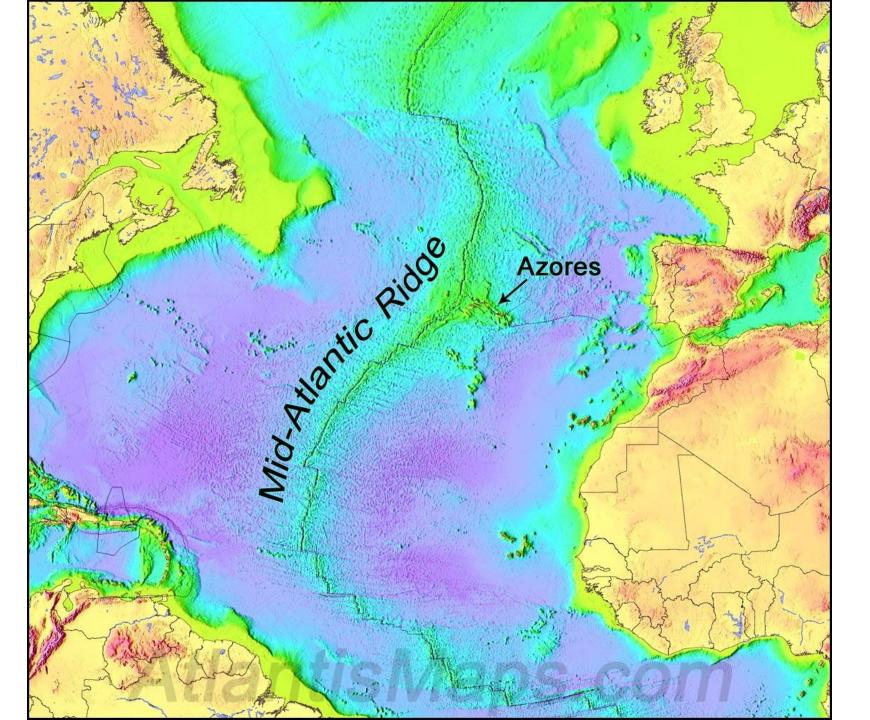
Sea-floor spreading- area of the seafloor that is "growing". Crust is created (divergent boundary)

C-notes

The theory of Plate **Tectonics explains HOW** continental drift occurs. What evidence is there that the plates are moving....?

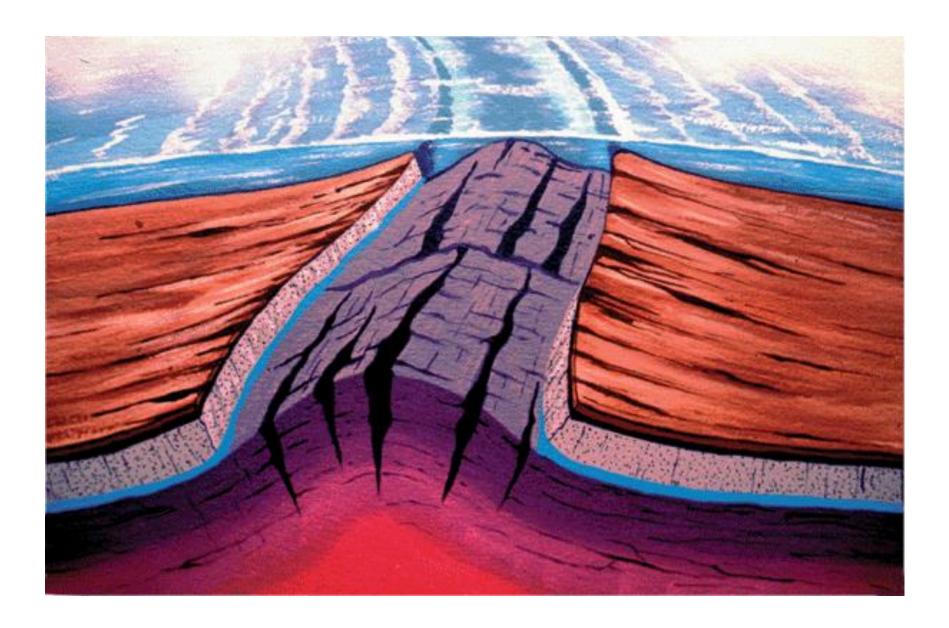
C-notes

Ocean Floor-1 In the 1950's scientists mapping the ocean floor discovered that there was an underwater mountain ridge



C-notes

Ocean Floor-1
Where these mid-ocean ridges (MOR) are, NEW crust is being formed.



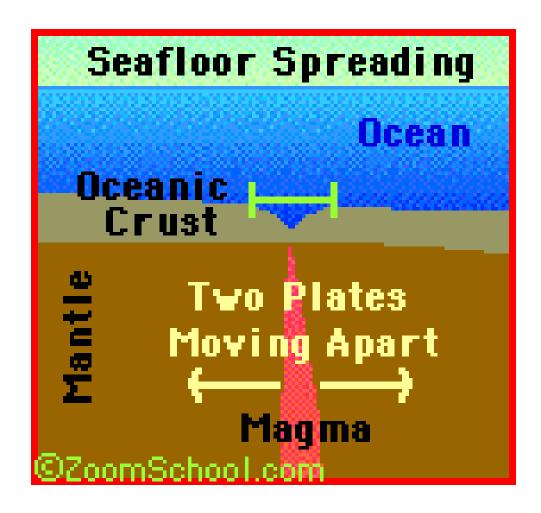
C-notes

Ocean Floor- 2
Where the new crust
formed was causing
"Sea Floor Spreading"

C-notes

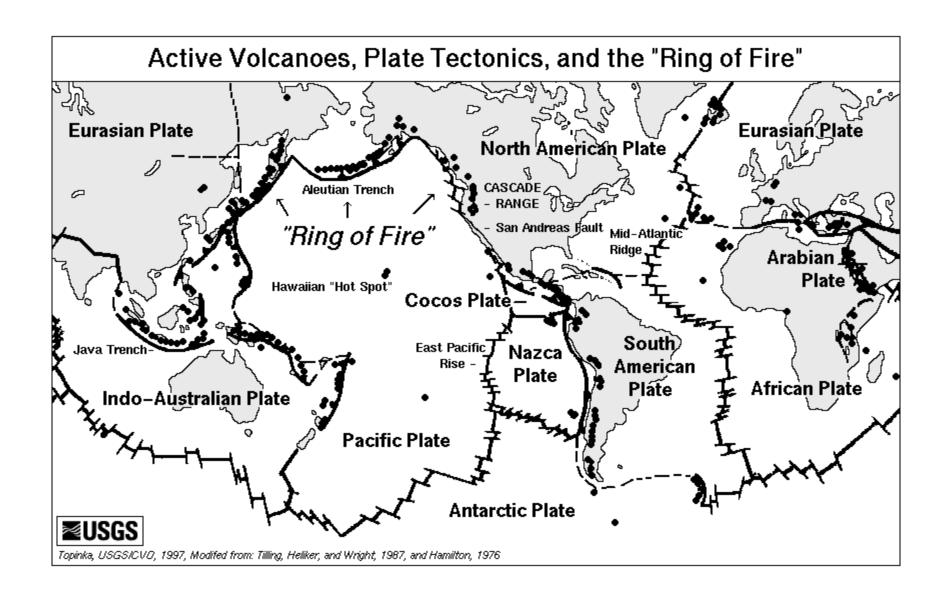
Ocean Floor- 2 Sea- Floor Spreading Magma rises to the surface and solidifies and new crust forms Older Crust is pushed farther away from the ridge

Sea Floor Spreading



C-notes

World Map- 3 As scientists mapped where volcanoes, mountains and earthquakes occurredthey saw a pattern



C-notes

World Map- 3 Where the earthquakes, volcanoes and mountains occurred marked the outlines of the tectonic plates!