Exothermic process: It loses heat, going from a liquid to a solid.
The Earth's surface is made of igneous rock, because it is closest to space, which is cold
Igneous Rocks
Form from the cooling of magma or lava.
Earth's Crust
Cooling Magma
Lower Antelope Canyon was carved from sand, wind and water.
Clastic: The "basic" Sedimentary rock. Classified by their size and texture.
Types of Rocks
"Meta"=CHANGE "Morph"=FORM
Slate
Result of the collection of small pieces broken off of pre-existing rocks
Chemical: Form when standing water evaporates, leaving behind little particles of minerals.
Sedimentary Rocks (3 Types)
Metamorphic Rocks
Any rock can become a metamorphic rock
Limestone : A common chemical sedimentary rock.
http://en.wikipedia.org/wiki/Metamorphic_rock
What is required to become this type of rock?
Organic: Many animals use calcium for shells, bones, and teeth. These bits of calcium can pile up on the seafloor and accumulate into a thick enough layer to form an "organic" sedimentary rock.
A rock must be moved into a new environment, and the rocks minerals become unsteady.
Most involve the rock getting buried, which leads to a rise in temperature and pressure.
Marble
Some other popular forms of Metamorphic rocks are: slate, schist, gneiss.
Ocean Floor