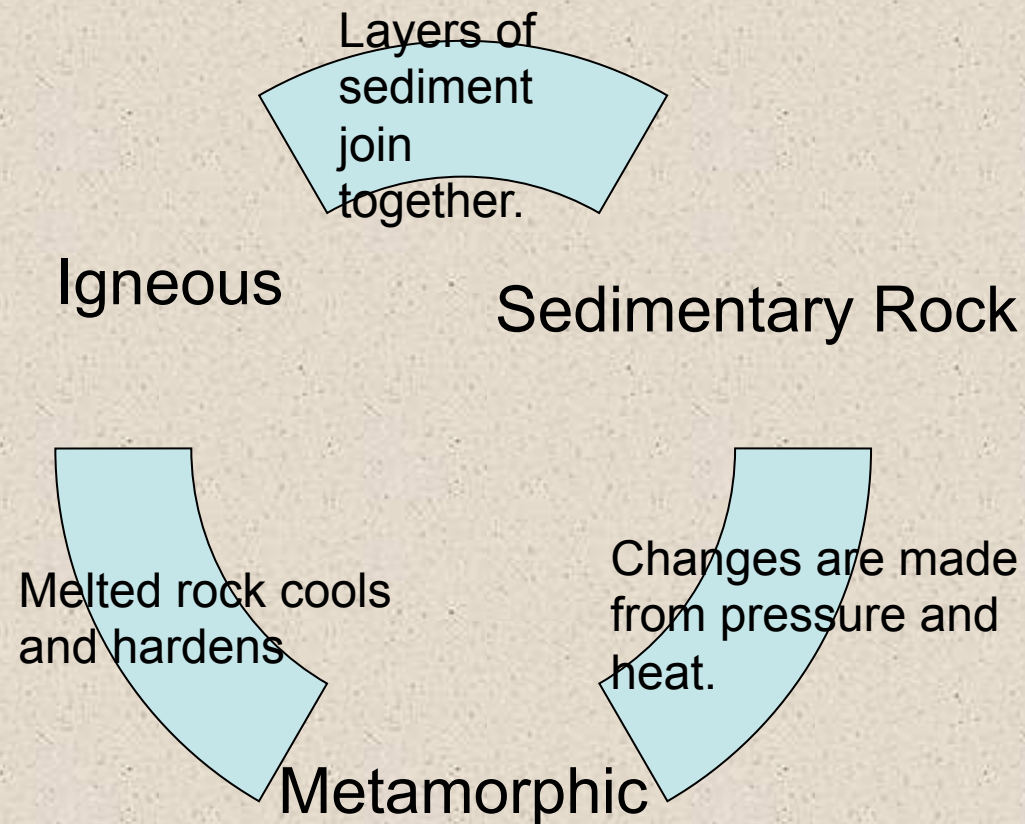


Rocks



The Life of a Rock



Rocks become **smaller**, and **smaller**,
and **smaller**, and **smaller**. . .

- By erosion
- By wind
- By earthquake
- By floods
- By rain
- By slides
- By man



Terms to Know

- **Weathering:** the **breaking** up of rocks and soil



- **Erosion:** the **moving** of weathered rock and soil. Weathering allows erosion to take place.



Products of Weathering

- Clay



- Sand



- Rock Fragments (pebbles and stones)



Rocks change.....

- By earthquakes
- By volcanoes
- By heat and pressure



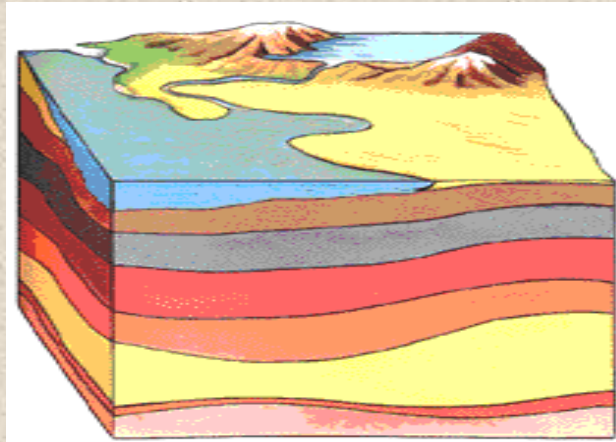
Sedimentary Rock is . . .

- Rock formed when layers of small particles of shell, rock, and sand join together.



Sedimentary Rocks

How They are Made



- Wind and water break down the earth
- Bits of earth settle in lakes and rivers
- Layers are formed and build up
- Pressure and time turn the layers to rock

Types of Sedimentary Rocks

Sandstone



Limestone



Gypsum



Conglomerate

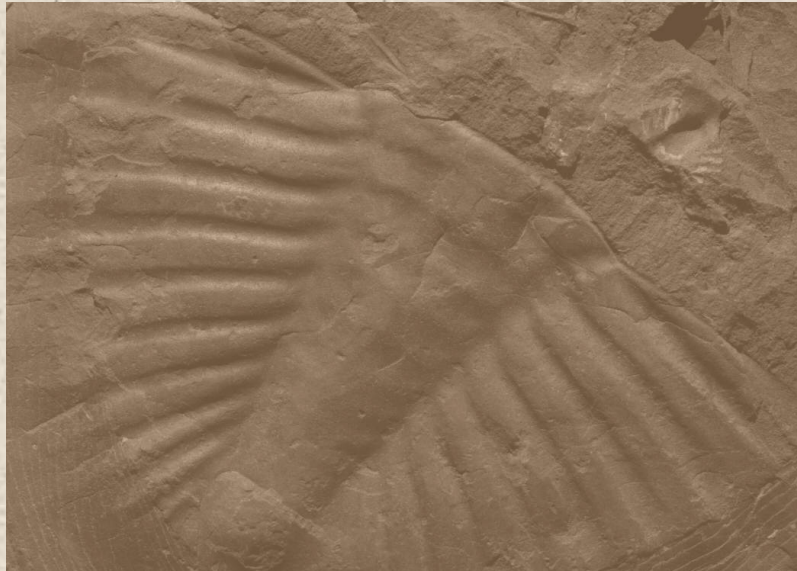


Shale



Fossils

- Fossils are usually found in sedimentary rock and are the remains or imprints of plants and animals that died long ago.



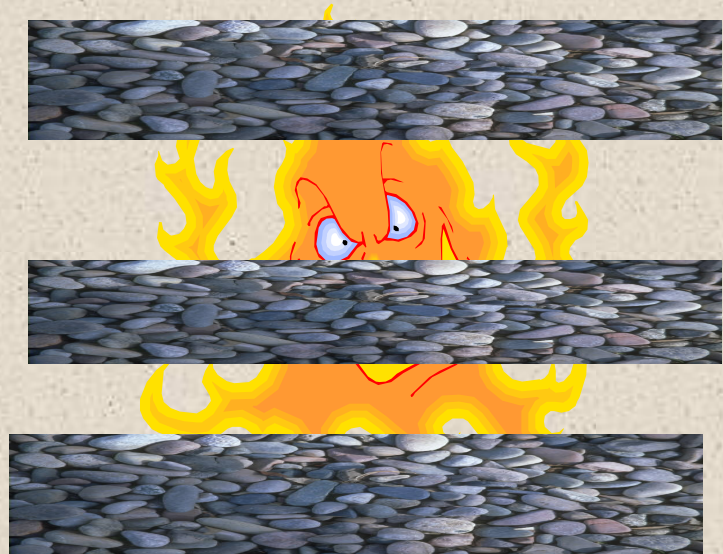
Fossils-Life From the Past

- Fossils provide information about life and conditions of the past.
- Scientific evidence shows that the Earth is approximately 4.5 billion years old



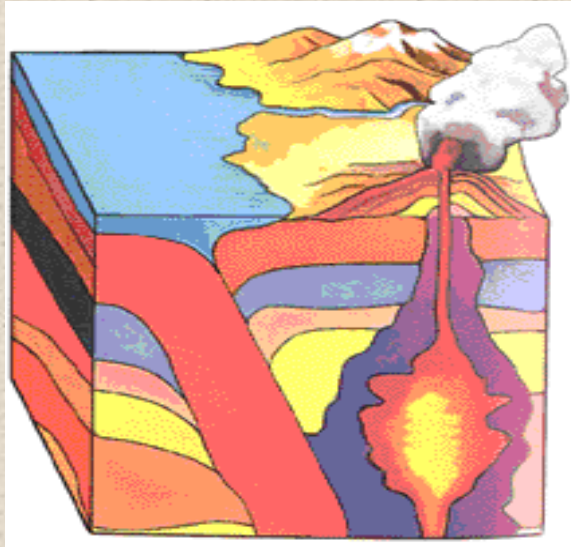
Metamorphic Rock is . . .

- Rock that is formed when pressure and heat create changes to sedimentary or igneous rock.



Metamorphic Rocks

What are They?



- Rocks that have changed
- They were once igneous or sedimentary
- Pressure and heat changed the rocks

Types of Metamorphic Rocks

Schist



Gneiss



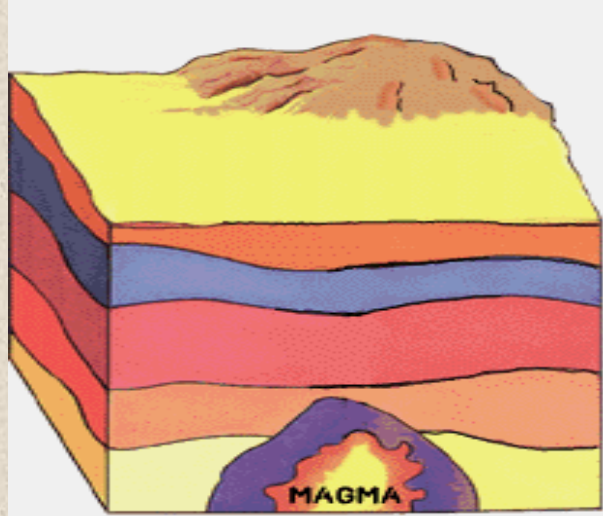
Igneous Rock is . . .

- Rock that is formed when melted rock cools and hardens.



Igneous Rocks

What are They?



- Fire Rocks
- Formed underground by trapped, cooled magma
- Formed above ground when volcanoes erupt and magma cools

Types of Igneous Rocks

Granite



Scoria



Pumice



Obsidian



Review of the Rock Cycle

- How are sedimentary rocks formed?
- What is a fossil?
- How are metamorphic rocks formed?
- How are igneous rocks formed?
- Give an example of each type of rock.
- What is weathering?
- Explain what erosion is.

Credits

- These slides were a compilation of work by:
- Jefferson County Schools Power Points on Rocks
- <http://jc-schools.net/PPTs-science.html>
- Ellen Benegar ([Suffolk Public Schools](#))