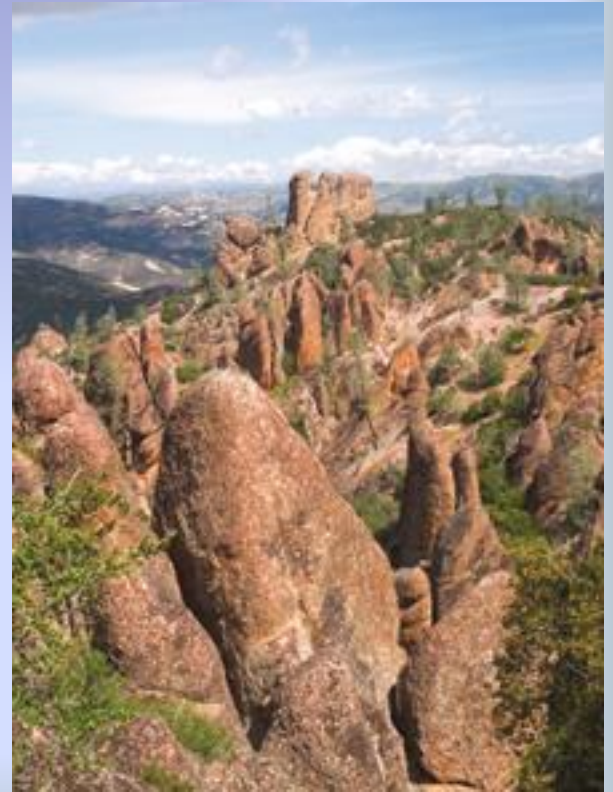
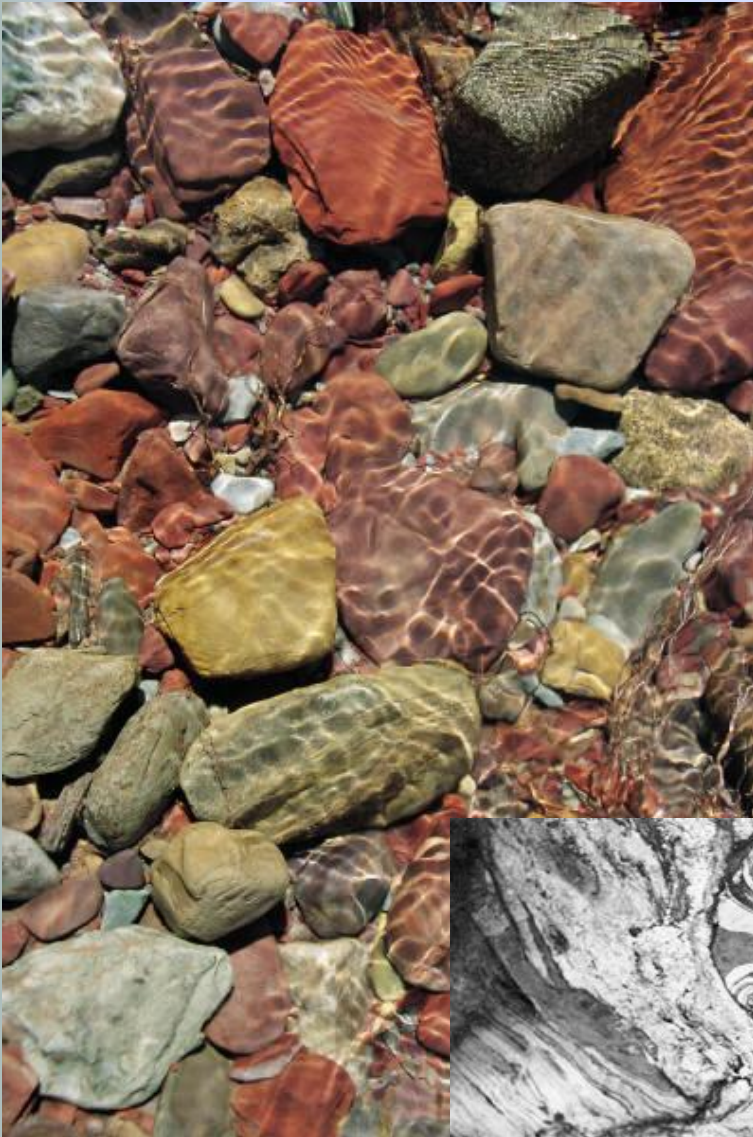


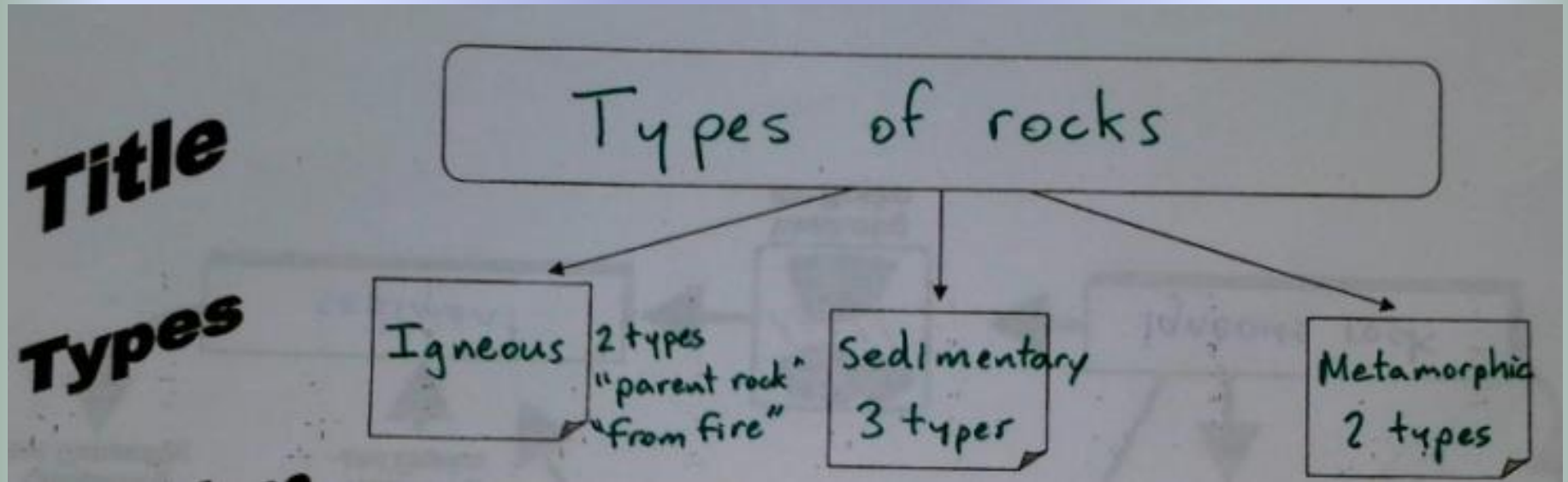
Rocks



Rocks are divided into 3 types...

- IGNEOUS
- SEDIMENTARY
- METAMORPHIC

Add to your notes...



Igneous

<http://www.learner.org/interactives/rockcycle/change2.html>

- Igneous literally means “From Fire”
- These rocks were made from cooled magma or lava



- The texture depends on how fast the rock cools
 - Quickly cools- smooth texture
 - Slowly cools- bumpy or rough texture
- They are very hard and can have crystals
- Examples are Basalt and granite

Add to your notes...

Definitions

Rocks made from the cooling and hardening of magma and lava

Other Key Facts:

Texture depends on how fast it cooled:

quickly → smooth (lava)

slowly → bumpy (magma)

• Intrusive - formed below ground from magma.

• Extrusive - formed above ground from lava.

Sedimentary

<http://www.learner.org/interactives/rockcycle/change3.html>

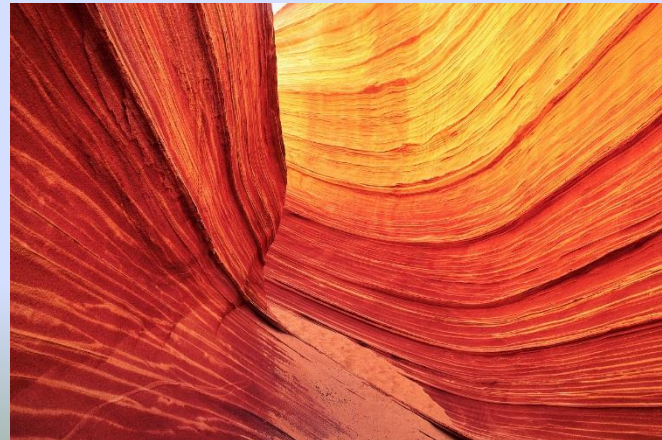


These rocks are made from layers of sediment that has been cemented together

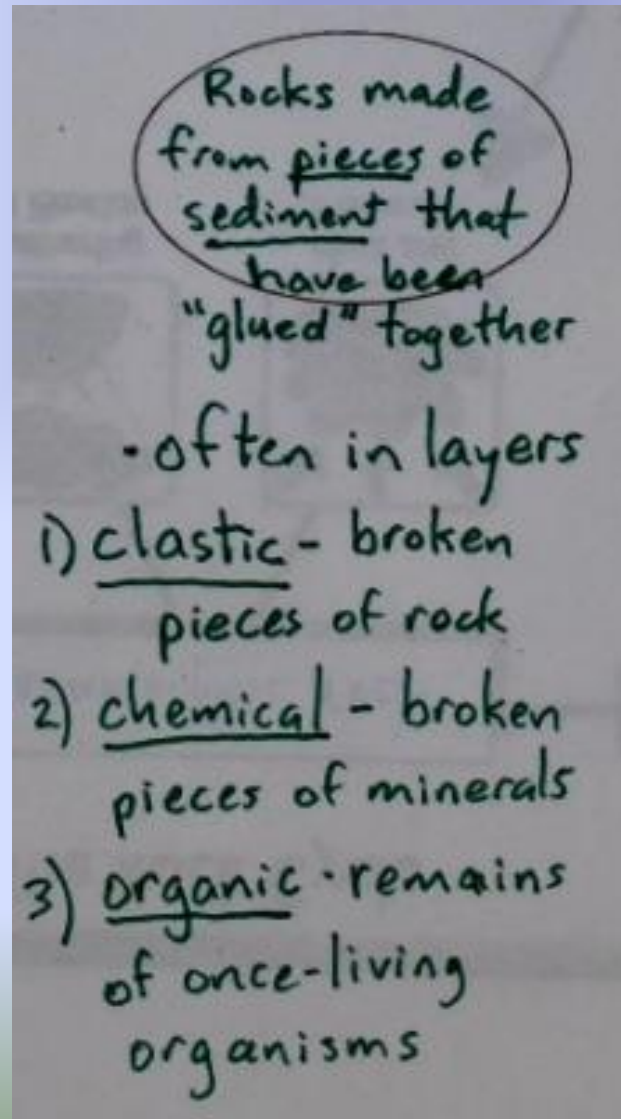
Types of sediment:

sand, shells, pebbles, bits of rock, minerals, organic matter (from living things), or fossils

- They are soft and crumbly, made of layers
- Examples are sandstone, limestone and shale



Add to your notes...



Metamorphic



- These rocks have literally “Metamorphosed” (changed).
- That means they started out as one thing and became something completely different.
- They are formed underneath the surface of earth

Metamorphic

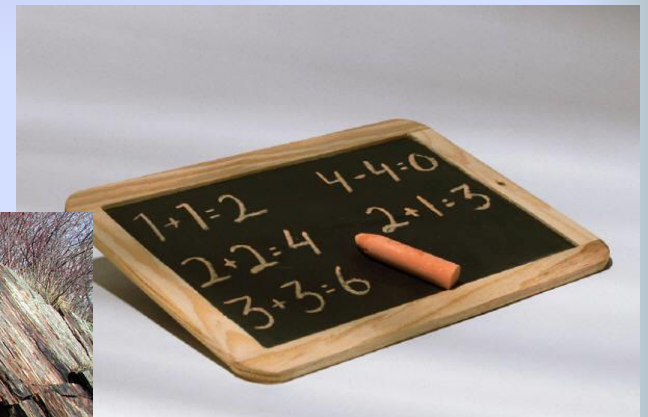
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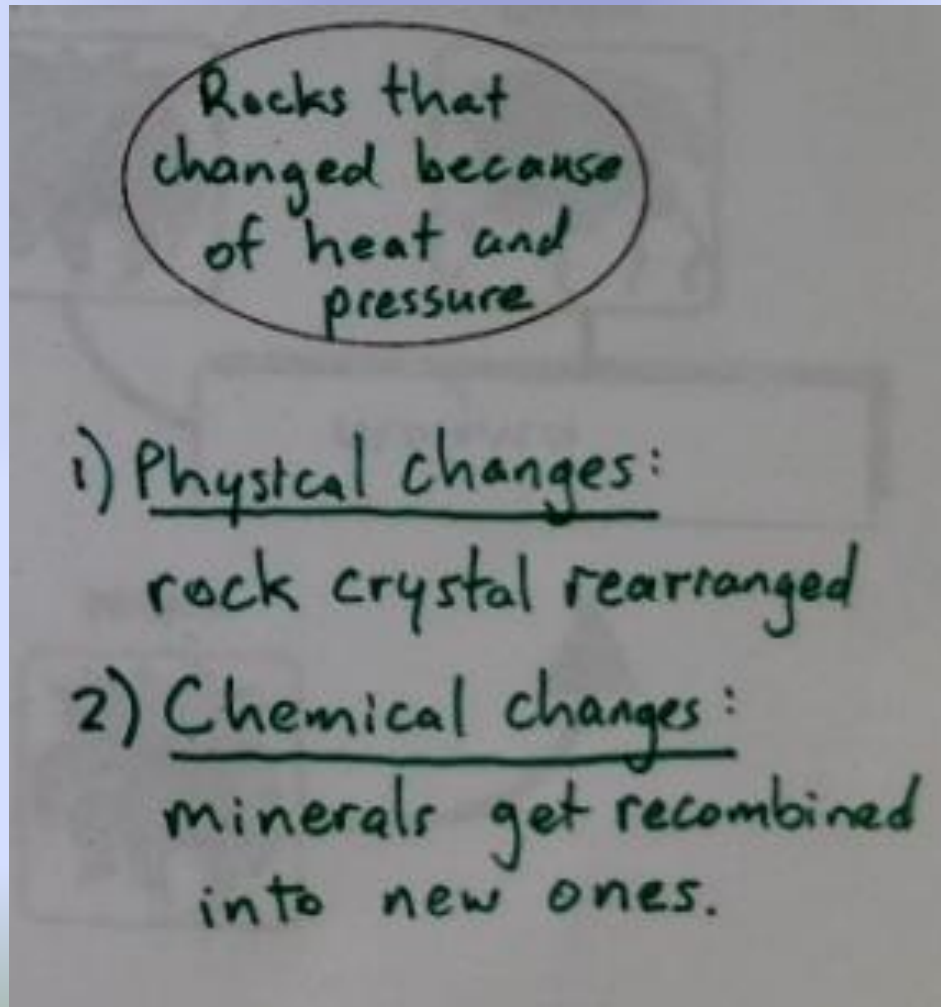
- Metamorphic rocks are formed when existing igneous or sedimentary comes under extreme heat and or pressure (“squeezing”).
- Examples are Marble, and Slate

Two groups based on internal structure:

- foliate- bands or zones of same material
- Non-foliated- no visible bands or zones



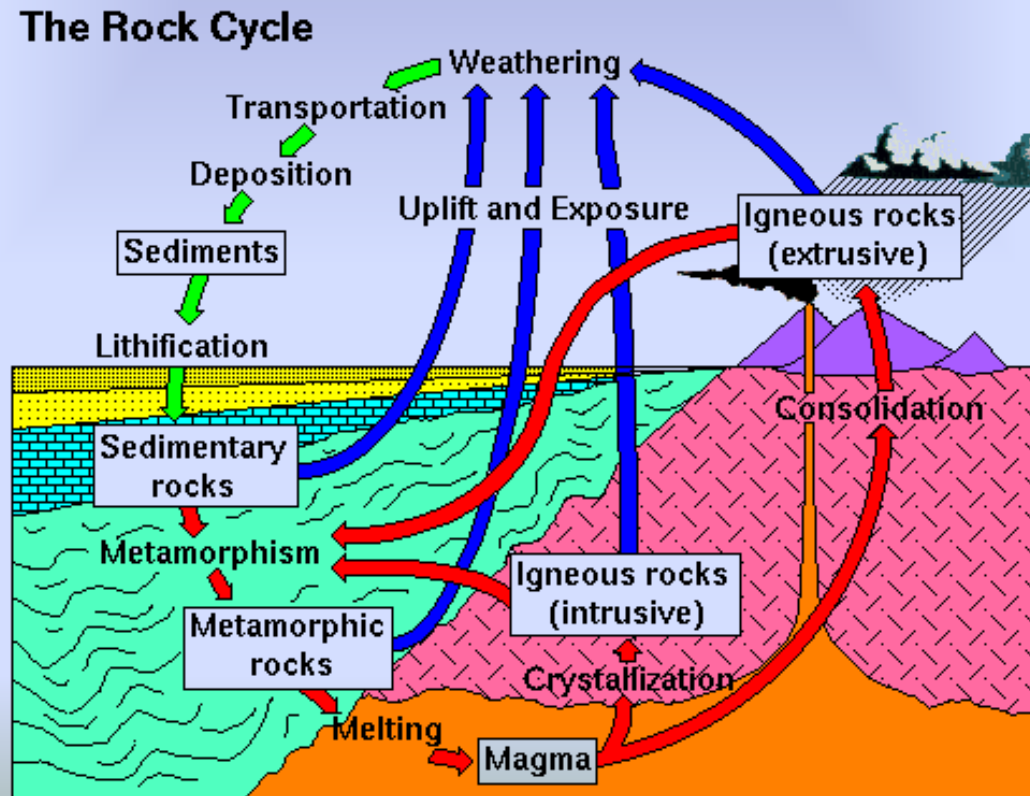
Add to your notes...



The rock cycle

[Click here](http://www.learner.org/interactives/rockcycle/diagram.html) for an interactive rock cycle diagram

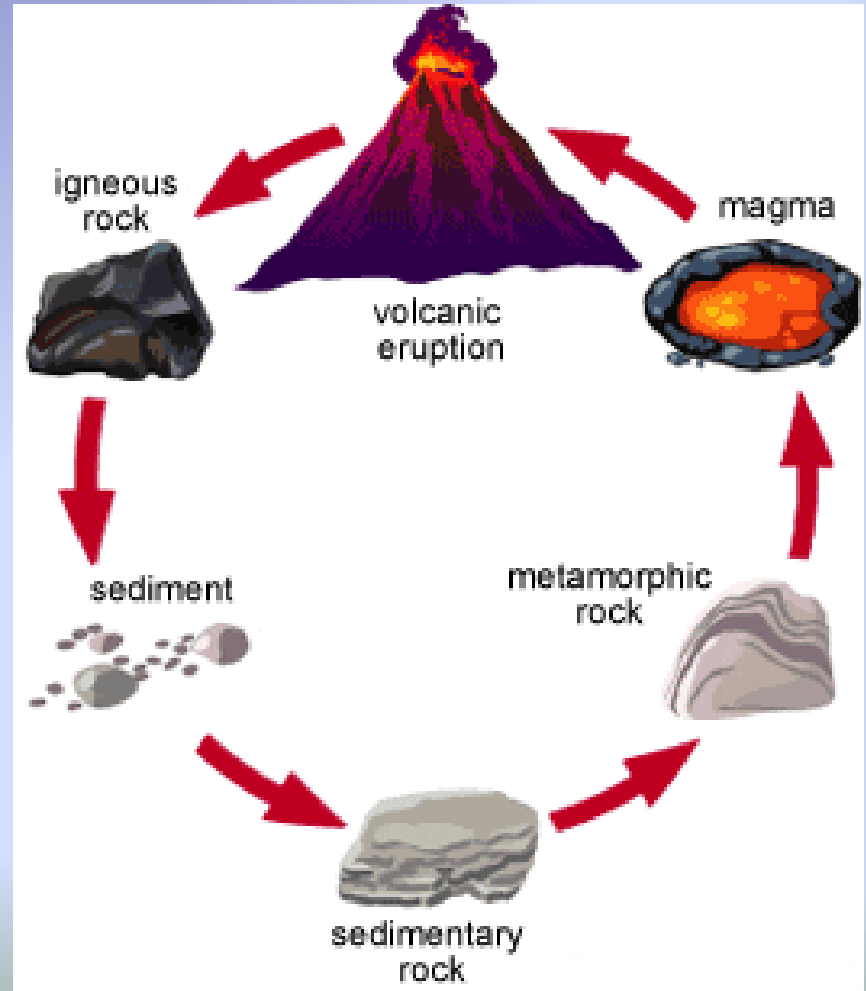
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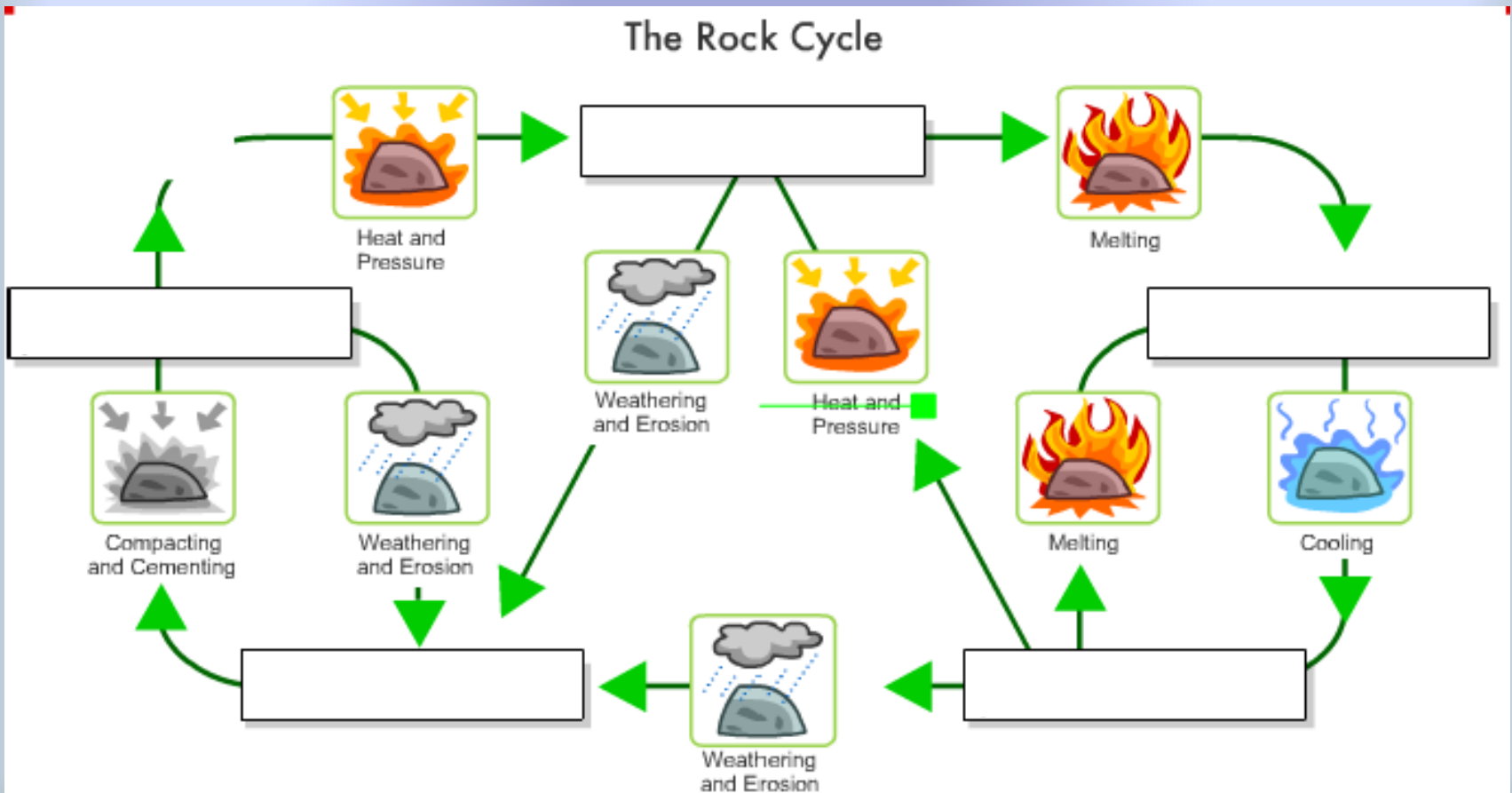
Test Your Knowledge

<http://www.learner.org/interactives/rockcycle/change3.html>

- [Click here](#) to test your knowledge of how rocks change



Now, try to complete this rock cycle web!



Compare Your Answers!

A Rock Cycle Web!

