



Three Types of Rocks

IGNEOUS ROCKS




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Metamorphic Rocks



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Sedimentary Rocks



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I = igneous
 S = sedimentary
 M = metamorphic

Rocks: Sorting Cards

<p>granite</p> <p>I</p> 	<p>basalt</p> <p>I</p> 	<p>obsidian</p> <p>I</p> 	<p>marble</p> <p>M</p> 
<p>gneiss</p> <p>M</p> 	<p>quartzite</p> <p>M</p> 	<p>sandstone</p> <p>S</p> 	<p>limestone</p> <p>S</p> 
<p>shale</p> <p>S</p> 	<p>pumice</p> <p>I</p> 	<p>chalk</p> <p>S</p> 	<p>slate</p> <p>M</p> 

We love
 ♡ ♡ ♡
rocks!

ES
 Earth
 Science
 Rocks!

Classification of Rocks based on origin, characteristics and types: (memorize)

Igneous Rock	Sedimentary Rock	Metamorphic Rock
Formed by <u>molten magma</u> extrusive (above) intrusive (below) basalt granite Obsidian	Erosion, deposition <u>compaction, Cementation</u> Chemical Clastic or detrital organic limestone Coal rock salt Chalk Sandstone Shale	heat + pressure of existing rock foliated non foliated gneiss marble quartzite Slate

How formed:

Formed by molten magma

Erosion, deposition, compaction, cementation

Heat and pressure of existing rock

Groups/Types:

- Intrusive
- Extrusive
- Chemical
- Clastic or detrital
- Organic
- Foliated
- Non-foliated

Names:

- Limestone
- Coal
- Rock Salt
- Gneiss
- Marble
- Quartzite
- Pumice
- obsidian
- granite
- basalt
- Shale
- Slate
- Sandstone
- Chalk