

Rock Notes

I. Rocks are _____ substances made up of one or more _____. There are 3 types.

A. Igneous Rocks

1. Originally hot _____ (liquid)
2. Appearance depends on
 - a. Types of _____ contained in it.
 - b. _____ and how _____ it cooled
3. Extrusive igneous rock – from _____
 - a. Cooled _____ on Earth
 - b. Small or no _____ crystals.
 - c. Examples: basalt, obsidian & _____
4. Intrusive igneous rock – from _____
 - a. Cooled _____ the earth
 - b. Magma cooled _____
 - c. Can _____ rock layers above it
 - d. Examples: granite & pegmatite

B. Sedimentary Rocks

1. 3 kinds of sedimentary rocks
 - a. _____ Rock made of fragments (rock size to sand size) of other rocks.
 - b. Organic Rock made of _____ organisms- limestone, coral, chalk
 - c. Chemical Rock formed when _____ evaporates leaving minerals
 - d. Examples : rock salt & _____
2. A few sedimentary rocks have _____

C. Metamorphic Rock

1. Rocks deep with in the earth that change under great _____ pressure &/ or chemical _____.
2. Process is called metamorphism
3. Can happen to _____ of rock
4. Examples : Chalk to _____ to Slate

Rock Notes

II. Rocks are hard substances made up of one or more minerals. There are 3 types.

A. Igneous Rocks

1. Originally hot magma (liquid)
2. Appearance depends on
 - a. Types of minerals contained in it.
 - b. Where and how quickly it cooled
3. Extrusive igneous rock – from lava
 - a. Cooled deep inside on Earth
 - b. Small or no slowly crystals.
 - c. Examples: basalt, obsidian & pumice
4. Intrusive igneous rock – from magma
 - a. Cooled deep inside the earth
 - b. Magma cooled slowly
 - c. Can push up rock layers above it
 - d. Examples: granite & pegmatite

B. Sedimentary Rocks

1. 3 kinds of sedimentary rocks
 - a. clastic Rock made of fragments (rock size to sand size) of other rocks.
 - b. Organic Rock made of dead organisms- limestone, coral, chalk
 - c. Chemical Rock formed when water evaporates leaving minerals
 - d. Examples : rock salt & gypsum
2. A few sedimentary rocks have fossils

C. Metamorphic Rock

1. Rocks deep with in the earth that change under great heat pressure &/ or chemical reactions.
2. Process is called metamorphism
3. Can happen to any kind of rock
4. Examples : Chalk to shale marble to Slate