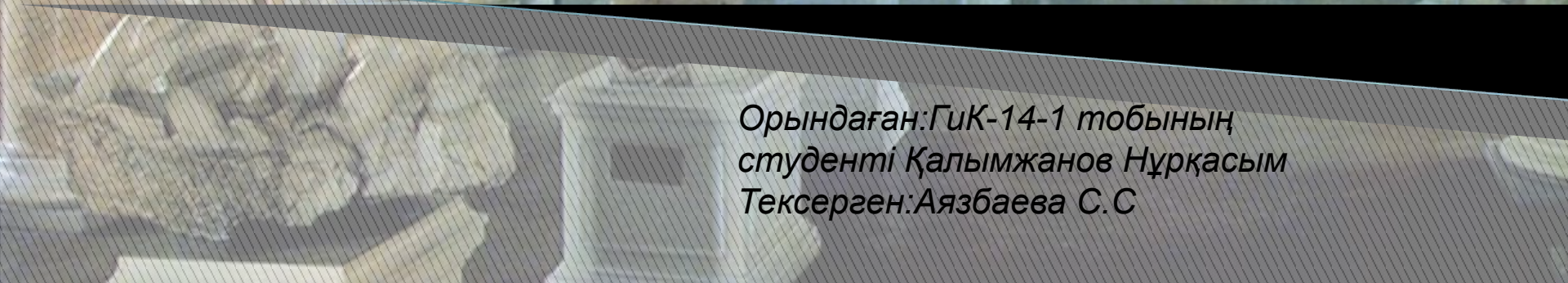


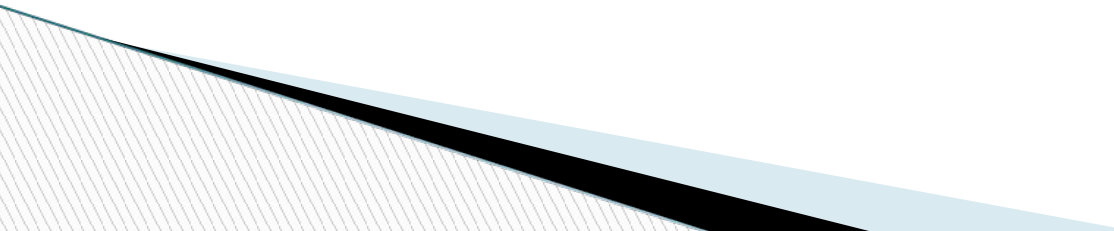


ROCKS

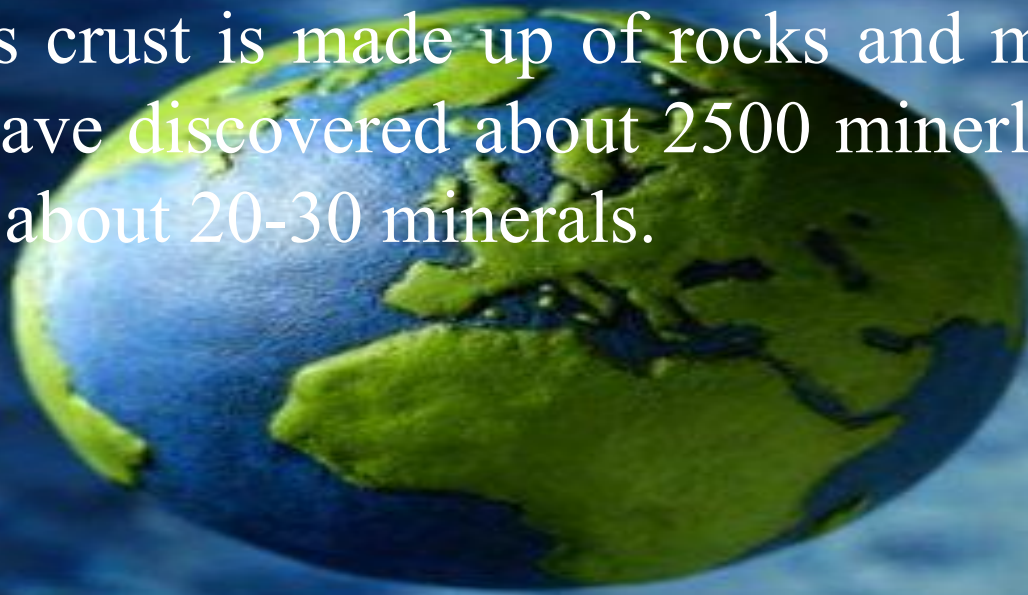


*Орындаған:ГиК-14-1 тобының
студенті Қалымжанов Нұрқасым
Тексерген:Аязбаева С.С*

Plan:

- 1. Rocks and minerals
 - 2. Igneous rocks
 - 3. Sedimentary rocks
 - 4. Metamorphic rocks
- 

The Earth's crust is made up of rocks and minerals. The scientists have discovered about 2500 minerals and every year offers about 20-30 new minerals.



A **mineral** is a naturally occurring chemical compound, usually of crystalline form and abiogenic in origin. A mineral has one specific chemical composition, whereas a rock can be an aggregate of different minerals or mineraloids.

Rock is a natural substance, a solid aggregate of one or more minerals or mineraloids. For example, granite, a common rock, is a combination of the minerals quartz, feldspar and biotite. The Earth's outer solid layer, the lithosphere, is made of rock.

Three major groups of rocks are defined: igneous, sedimentary, and metamorphic.



Granite (rocks) consists of these minerals.



Quartz



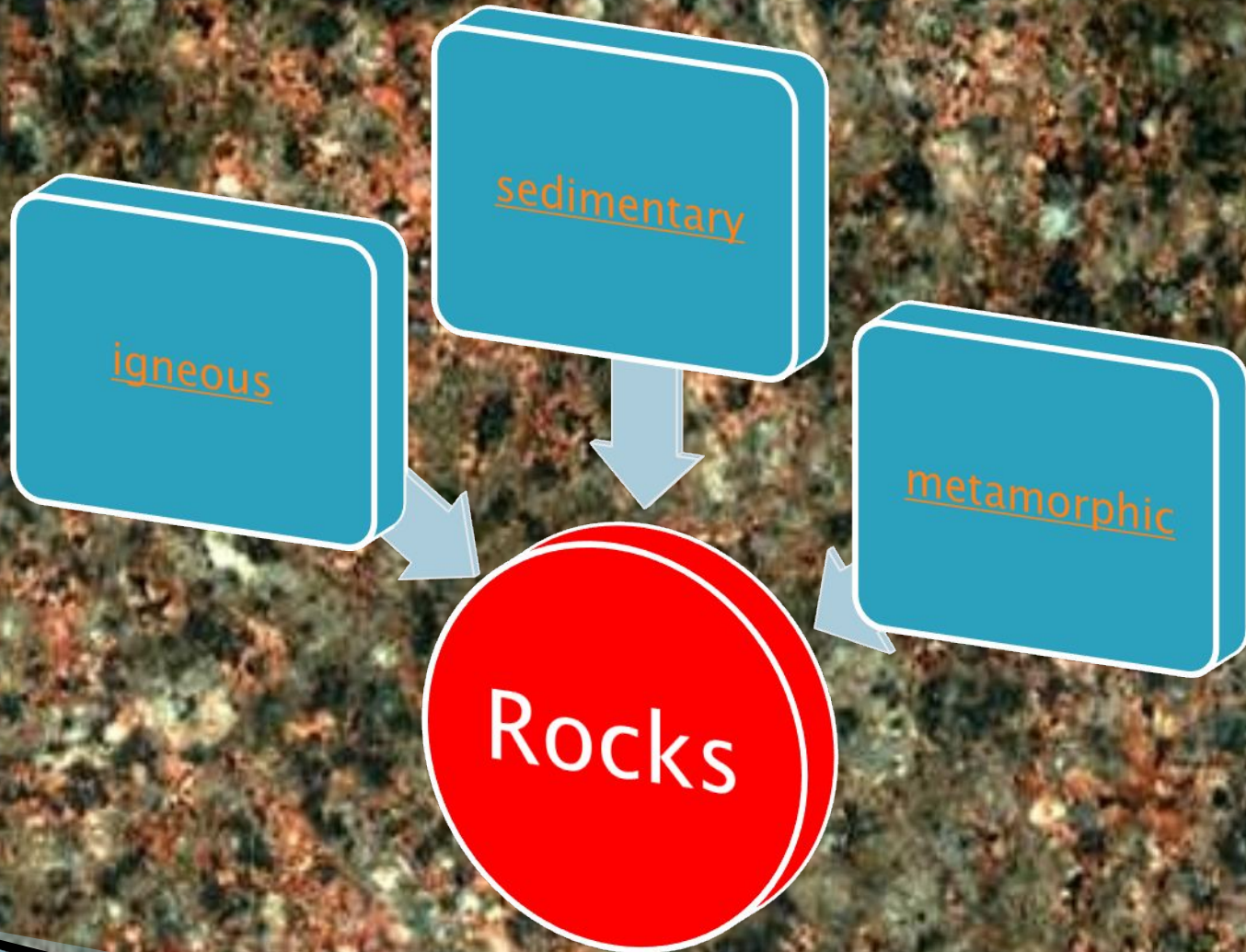
Feldspar



Biotite



Three rocks



A satellite view of Earth showing the Americas and surrounding oceans. The text is overlaid on the image.

Earth's crust

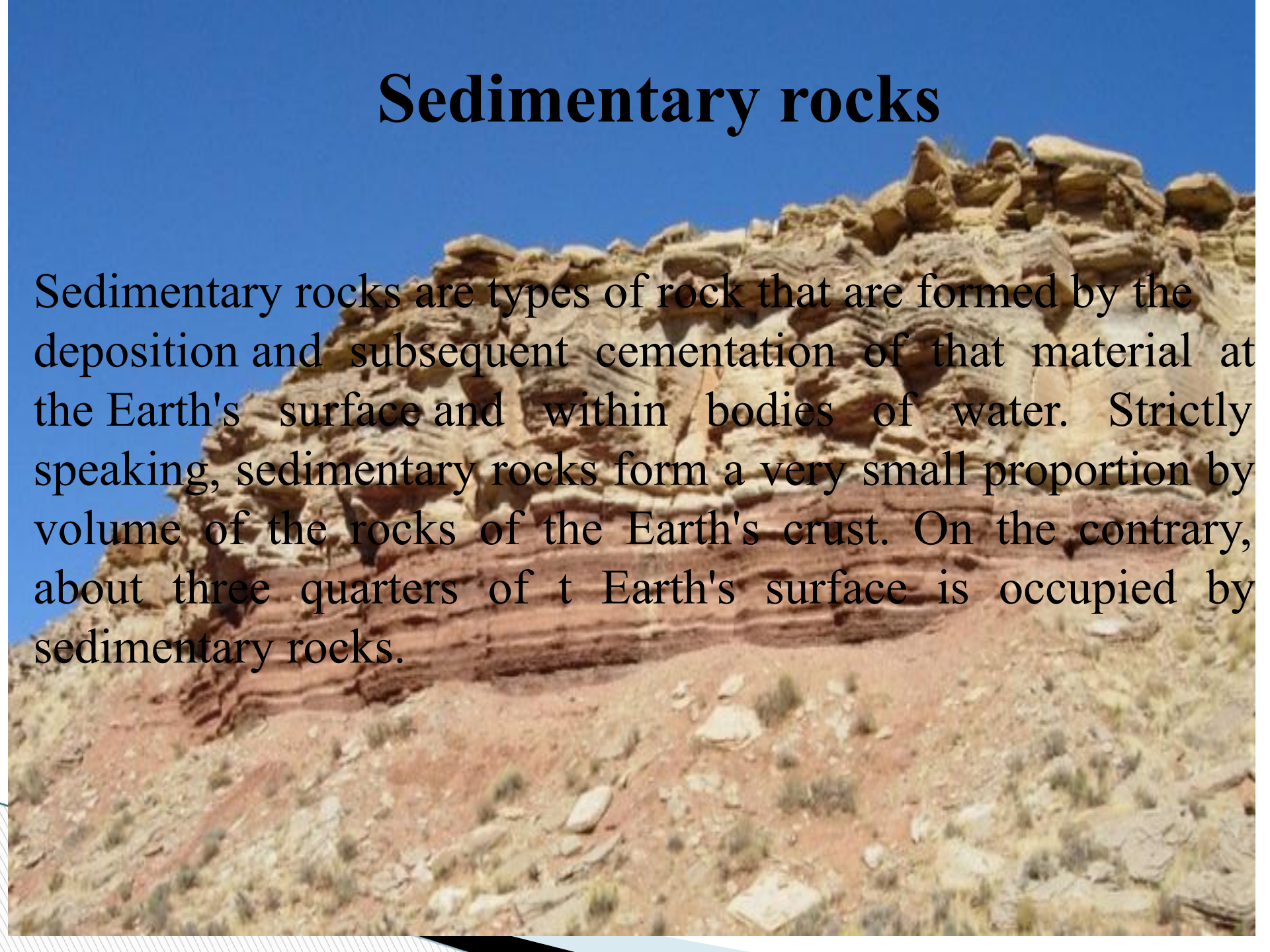
Igneous rocks- 71%

Metamorphic rocks— 20%

Sedimentary rocks— 9%

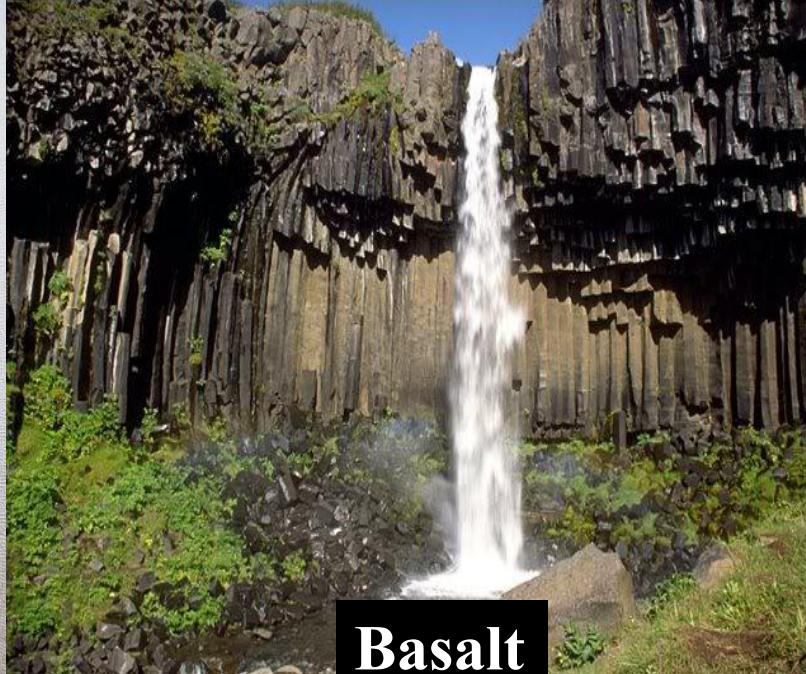
Sedimentary rocks

Sedimentary rocks are types of rock that are formed by the deposition and subsequent cementation of that material at the Earth's surface and within bodies of water. Strictly speaking, sedimentary rocks form a very small proportion by volume of the rocks of the Earth's crust. On the contrary, about three quarters of the Earth's surface is occupied by sedimentary rocks.





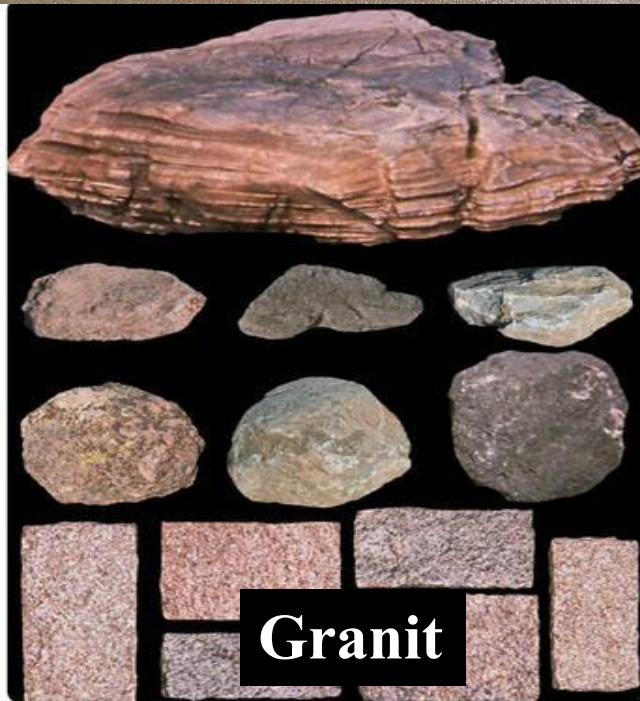
Holestone



Basalt



Siltstone



Granit



Obsidian

Vilcanic sand near the Teide volcano





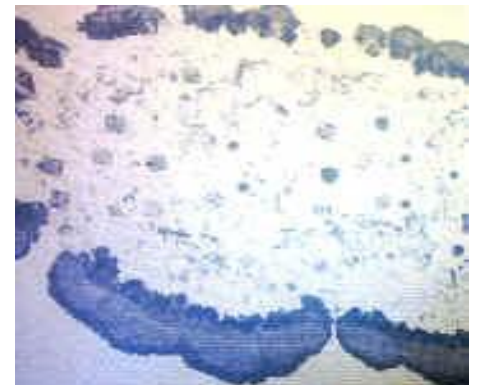
sand



clay



salt



Metamorphic rocks



Metamorphic rocks arise from the transformation of existing rock types, in a process called metamorphism, which means "change in form." They may be formed simply by being deep beneath the Earth's surface, subjected to high temperatures and the great pressure of the rock layers above it.

LIMESTONE



MARBLE



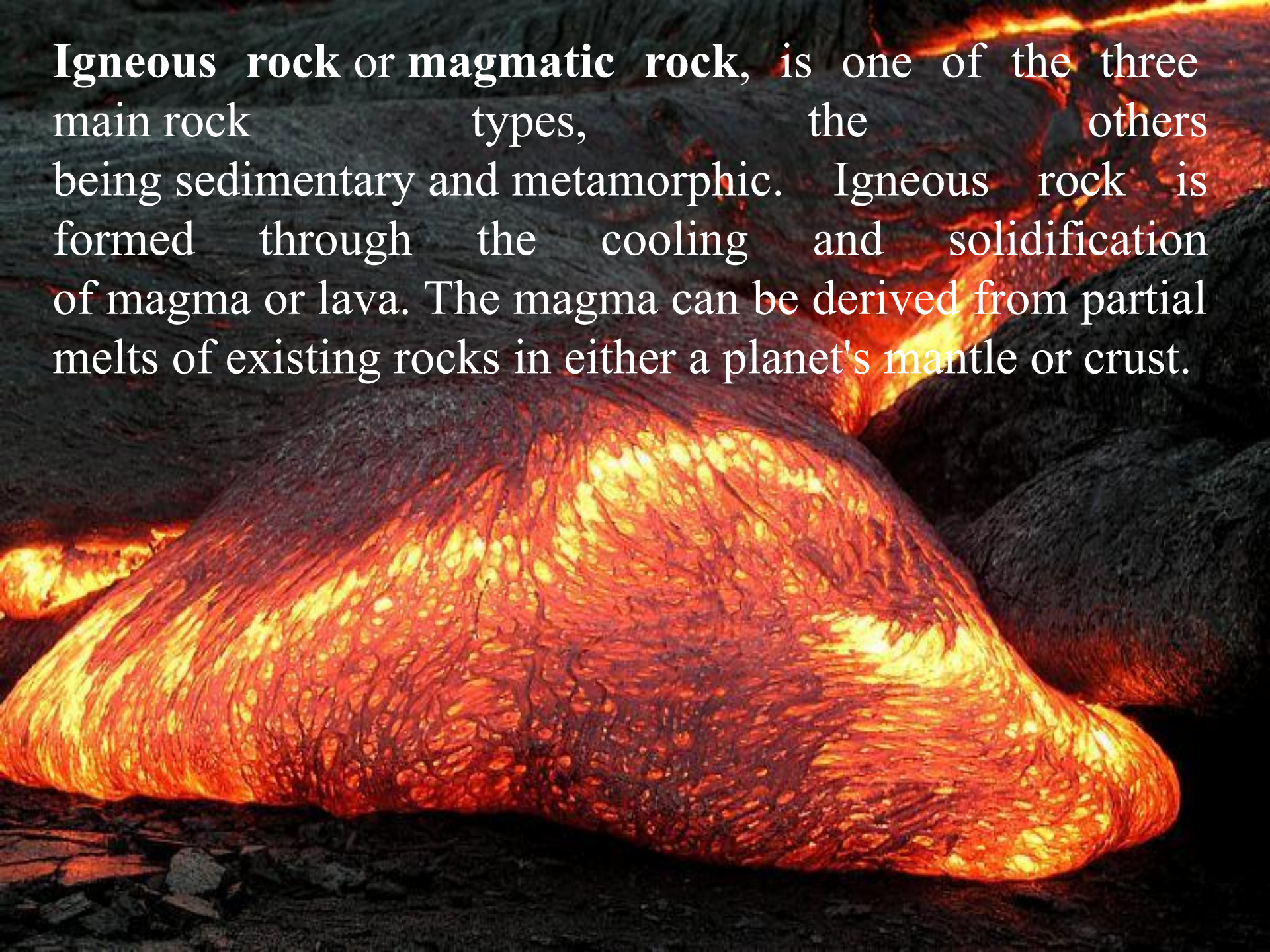
GRANITE



GNEISS



Igneous rock or magmatic rock, is one of the three main rock types, the others being sedimentary and metamorphic. Igneous rock is formed through the cooling and solidification of magma or lava. The magma can be derived from partial melts of existing rocks in either a planet's mantle or crust.





Asphalt



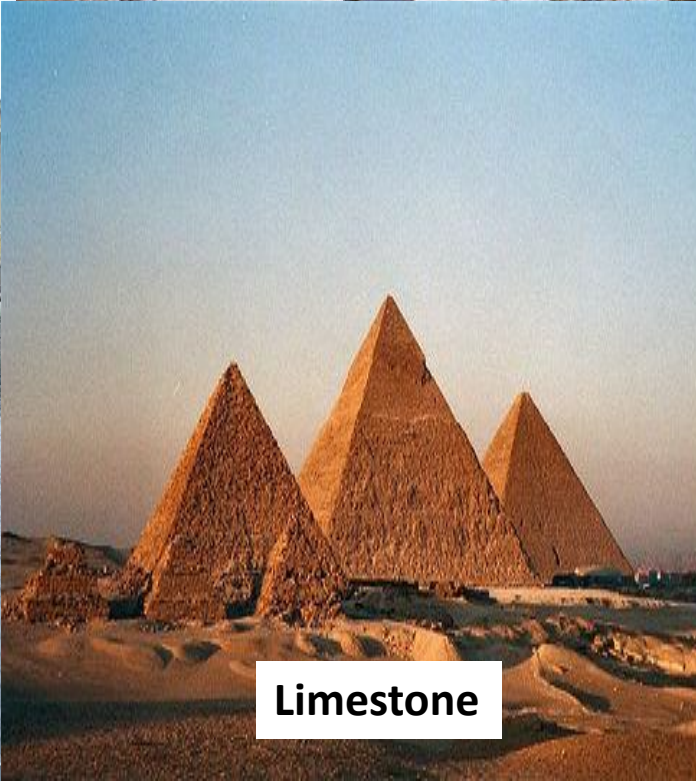
Marble



Clay



Granit



Limestone



Ruby