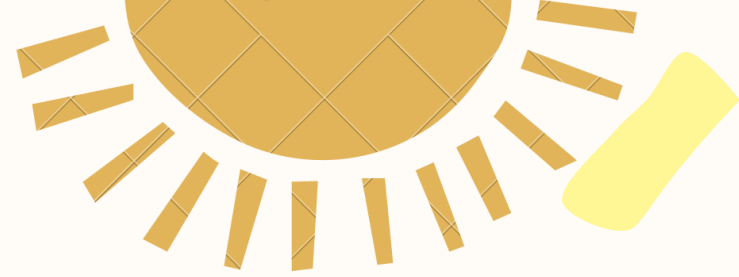


TYPES OF ROCKS & IGNEOUS ROCKS

By Tavish Prabhu





AGENDA

1

Types of rocks

2

Igneous rocks

3

Types of Igneous rocks

4

Some History? ?

5

Trivia time



TYPES OF ROCKS

1. Different types of rocks are formed in different ways.
2. Rocks can transform from one type to another over time through various geological processes.

Did you know?

India, USA, China, Russia, and Brazil are among the countries that have all three types of rocks in significant quantities!



THE TYPES OF ROCKS



Igneous

- Formation: Formed from the cooling and solidification of magma or lava.
- Characteristics: Hard, crystalline, contain mineral crystals.

Sedimentary

- Formation: Formed by the deposition and compaction of sediments (sand, pebbles, shells, etc.).

Metamorphic

- Formation: Formed when existing rocks are changed by heat, pressure, or chemical processes.

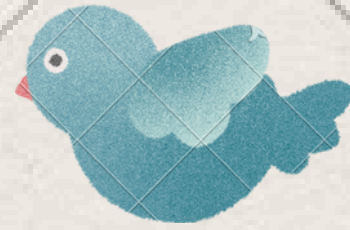
Word meanings:

① - *Deposition: Forming of something.*



IGNEOUS ROCKS

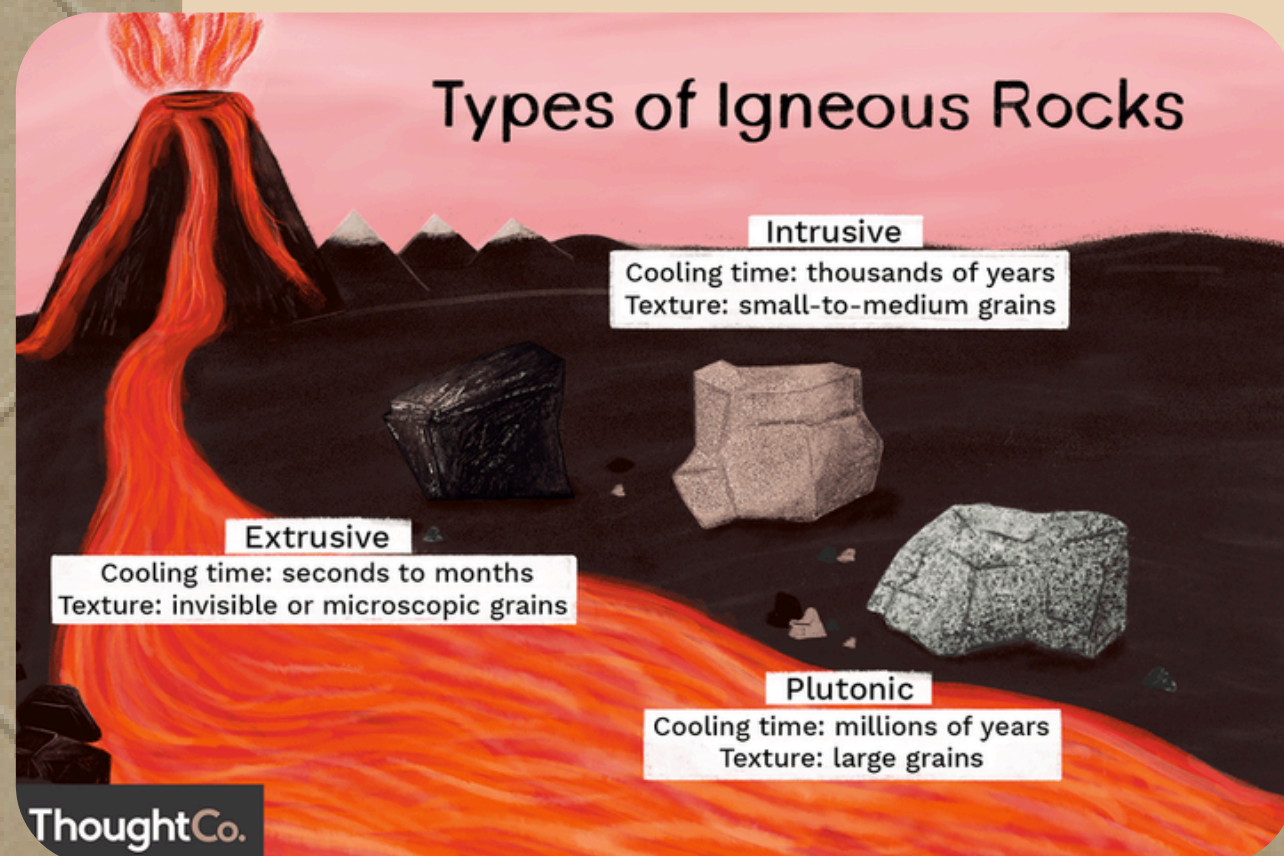
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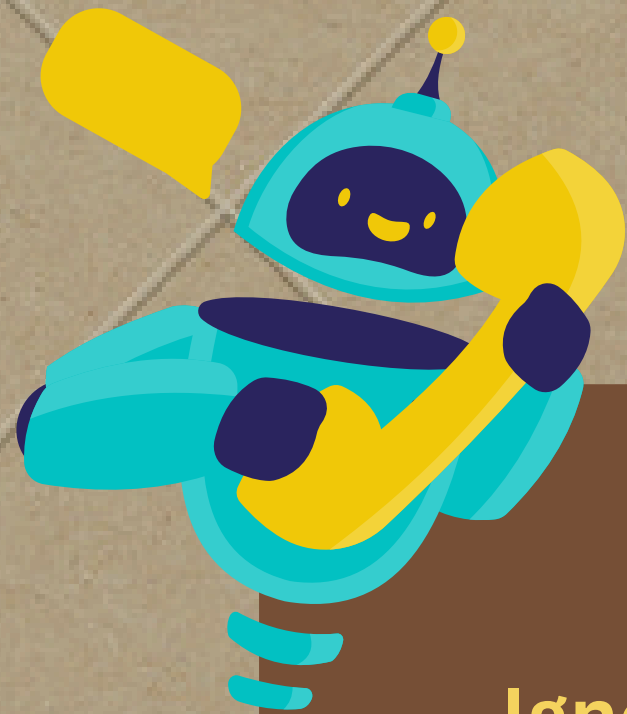


Igneous rocks *

Types:

- Intrusive (Plutonic): Formed inside the Earth's crust (e.g., Granite).
- Extrusive (Volcanic): Formed on the surface after volcanic eruptions (e.g., Basalt).





SOME HISTORY??

Igneous rocks are among the oldest types of rocks on Earth and hold a vital place in the planet's geological history. They formed billions of years ago from the cooling and solidification of molten magma, either beneath the Earth's surface as intrusive rocks or on the surface following volcanic eruptions as extrusive rocks.

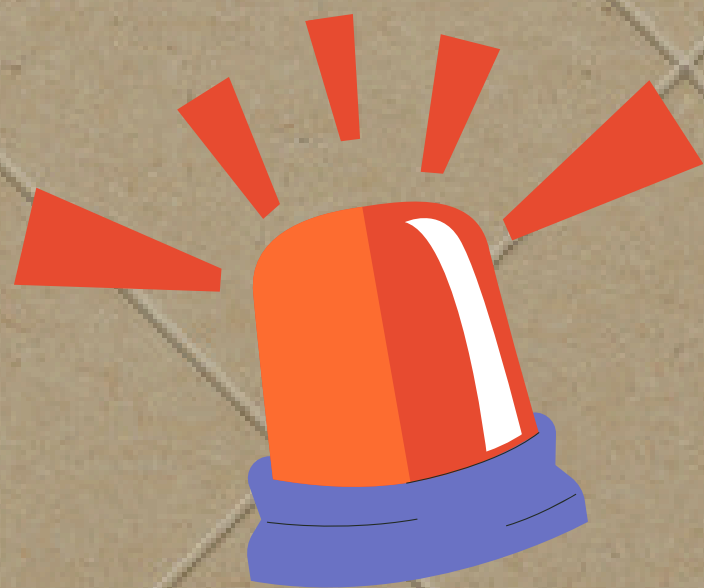
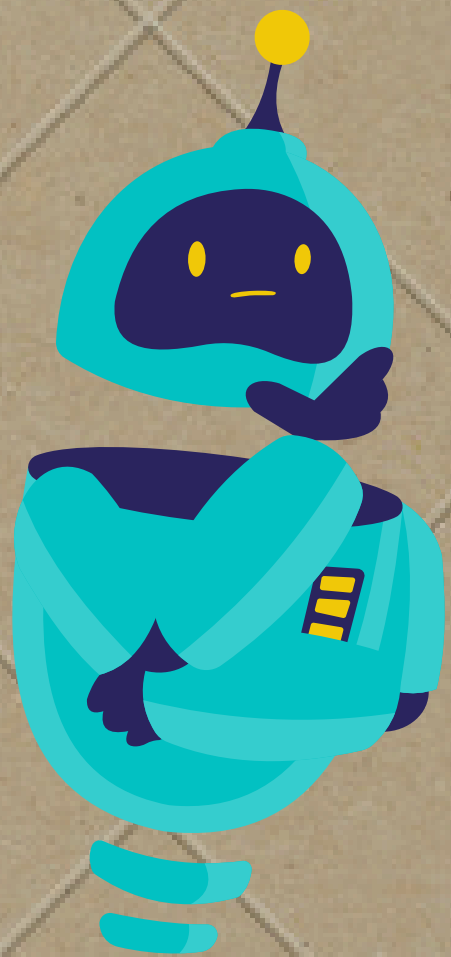




THE HISTORY OF IGNEOUS ROCKS..

Over time, these rocks have played a fundamental role in shaping continents, building mountain ranges, and influencing the development of Earth's surface and structure. Some of the oldest igneous rocks, like those found in the Canadian Shield, are over 4 billion years old, making them key to understanding Earth's early history.

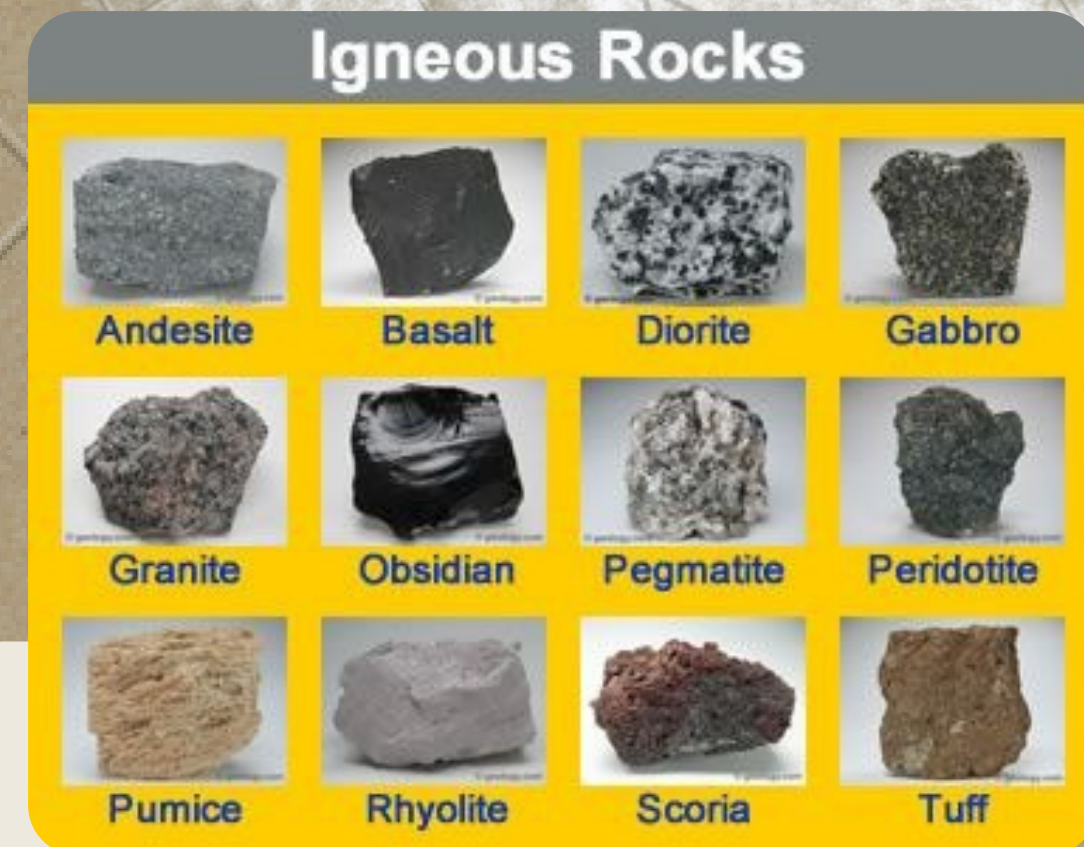




TRIVIA TIME!

DID YOU KNOW?

- Valuable minerals such as iron, gold, silver and aluminium are found in these rocks!
- This hardness makes them resistant to erosion, which is why they are often used in construction, like monuments!





Thank You

I hope you enjoyed this presentation...but now it is time to sign off...