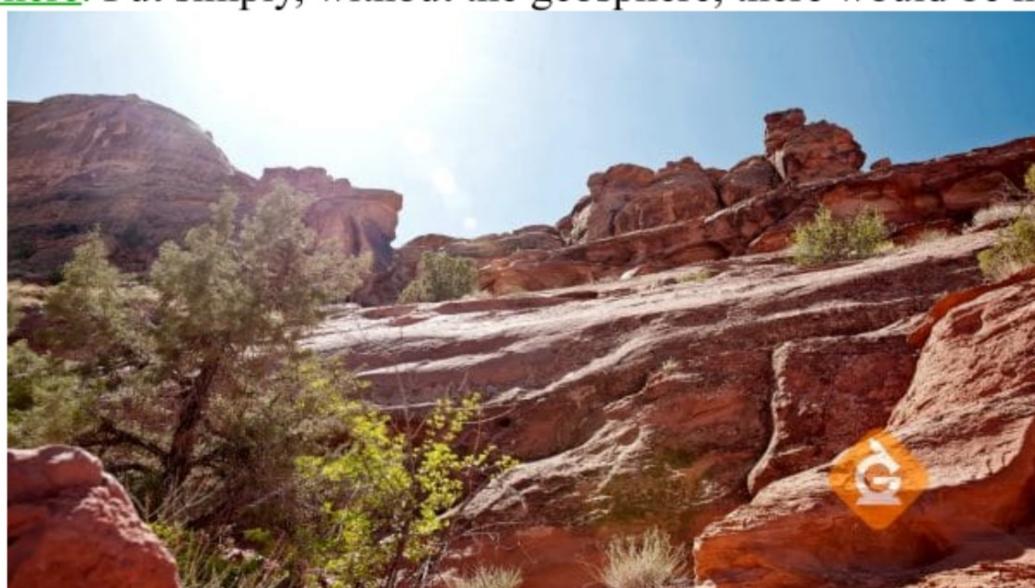


## Geosphere

Geo means “earth.” The Earth’s geosphere (sometimes called the lithosphere) is the portion of the earth that includes rocks and minerals. It starts at the ground and extends all the way down to Earth’s core.

We rely on the geosphere to provide natural resources and a place to grow food. Volcanoes, mountain ranges, and deserts are all part of the geosphere. Put simply, without the geosphere, there would be no Earth!



## The Rock Cycle

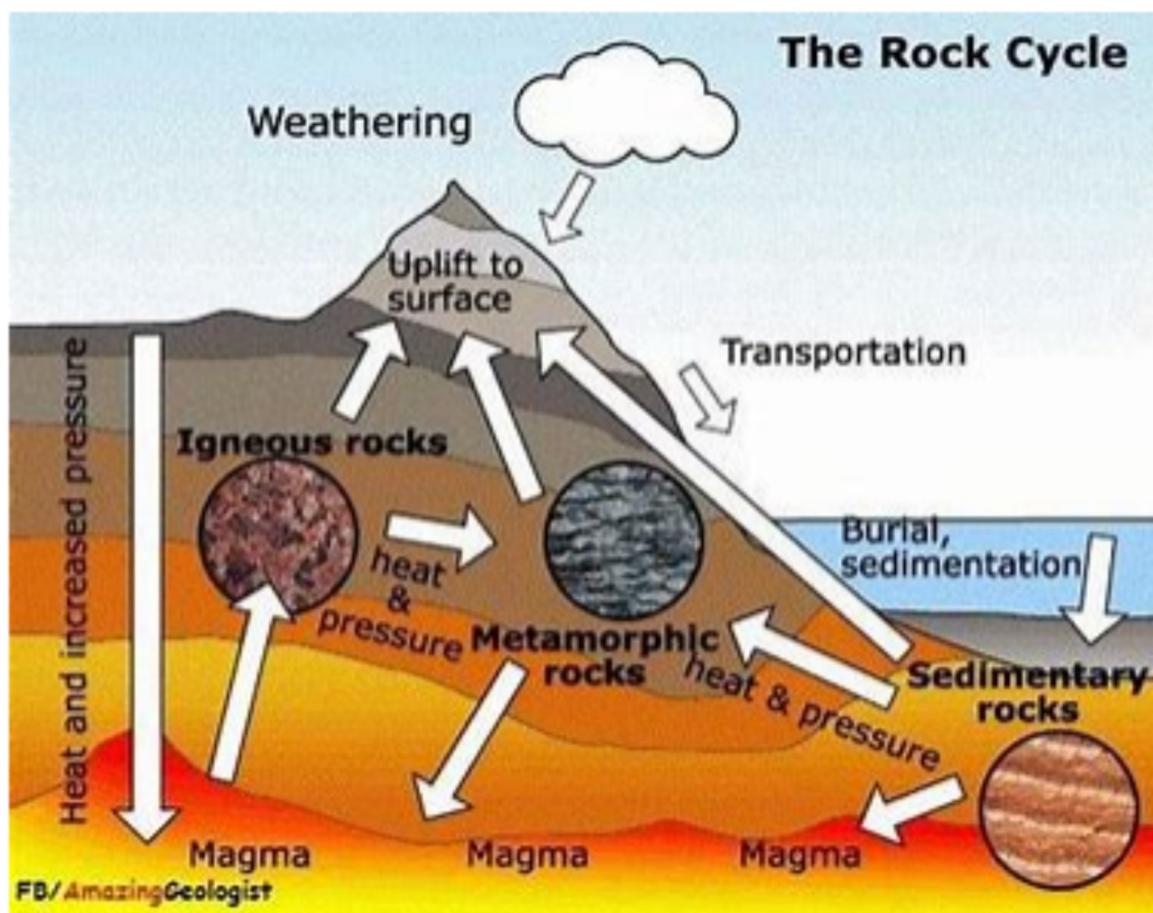
311-2

**Weathering:** Sediment comes from larger rocks that have broken down or worn away by a natural process called weathering.

This can happen mechanically, chemically or biologically.

[Bill Nye - The Science Guy - S03 - E04 - Rocks & Soil](https://www.dailymotion.com/video/x3jyuty)

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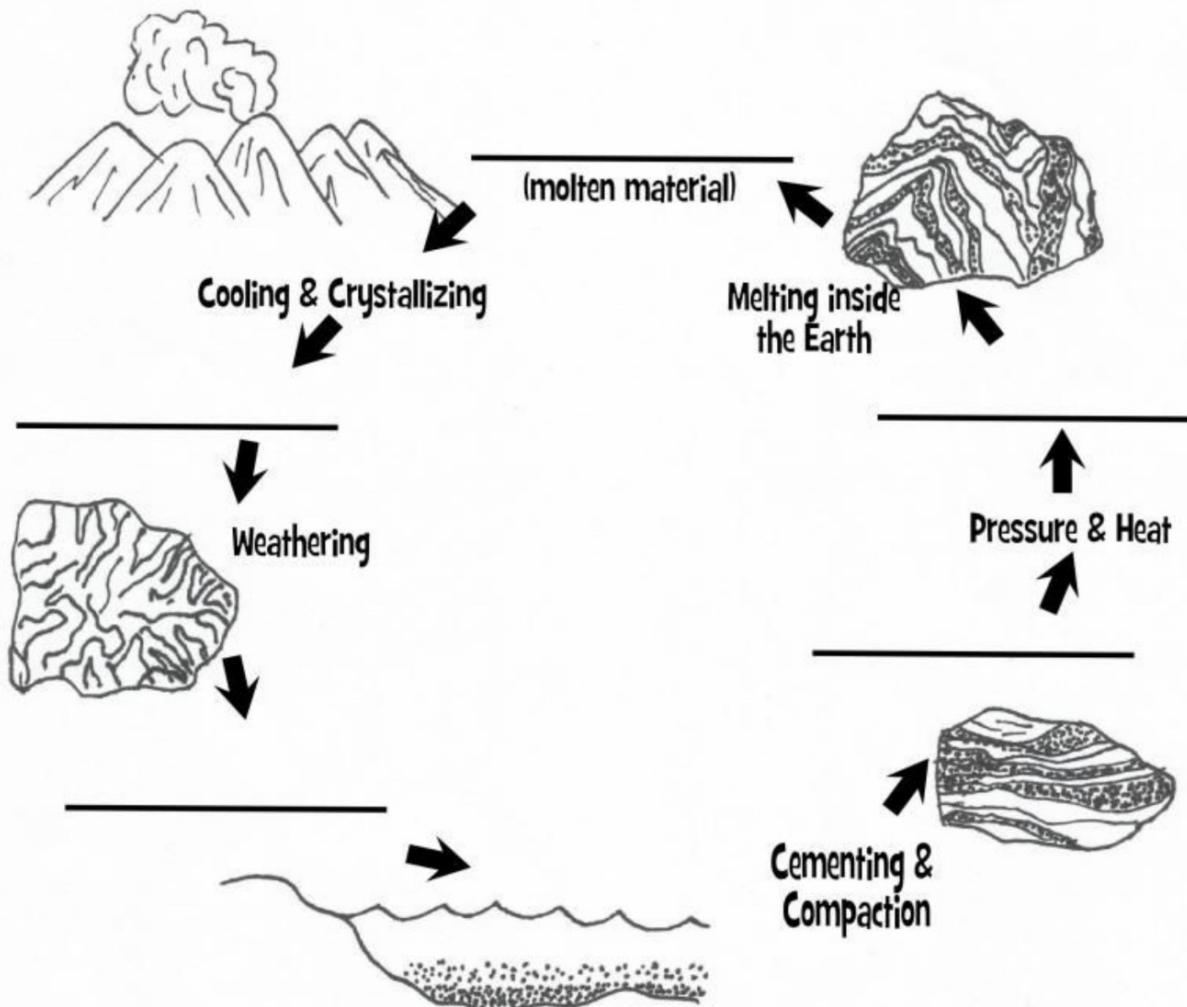
[Rock cycle video | Learn about Types of Rocks | Rock cycle for kids - YouTube](#)[Rock Cycle - YouTube](#)

# The Rock Cycle

Fill in the blanks to complete the rock cycle using these words:

metamorphic rock      igneous rock      sedimentary rock

magma      sediment



**Layers of Learning**

## Whakaari Documentary on Netflix

Dec. 9, 2019 (A major eruption formed a new crater in 2000, and small eruptions occurred in 2012, 2013, and 2016)

- 22 deaths (20 bodies recovered, 2 missing)

-Youngest victim 13 years old, oldest was 64

-25 Injured

-Hayden was a tour guide and it was his 1011 trip to the island

-Notably, in August 2024, a minor eruption occurred, producing a weak plume with a low concentration of volcanic ash

[White Island, New Zealand: Infamous volcano island rocked by new eruption five years after 22 died | news.com.au — Australia's leading news site](#)