

ROCK FORMATION PROCESS

Geological Cycle Reference Chart

Igneous

Diagram: Cooling Magma

FORMATION: Melting of rocks in the mantle, followed by cooling and solidification (crystallization).

Sedimentary

Diagram: Layering

FORMATION: Weathering, erosion, and deposition. Compaction and cementation (lithification) of particles.

Metamorphic

Diagram: Heat/Pressure

FORMATION: Existing rocks subjected to intense heat and pressure without melting, causing structural change.

Key Terminology

Magma/Lava: Molten rock material.

Weathering: Breaking down of rocks.

Lithification: Turning sediment into stone.

Foliation: Layering in metamorphic rocks.

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