

GEO Lab Notes: Rock Cycle

Order for rock to enter cycle does not matter

Igneous (Initial Creation)

- Lava - on the Earth's surface
- Magma - under the Earth's surface

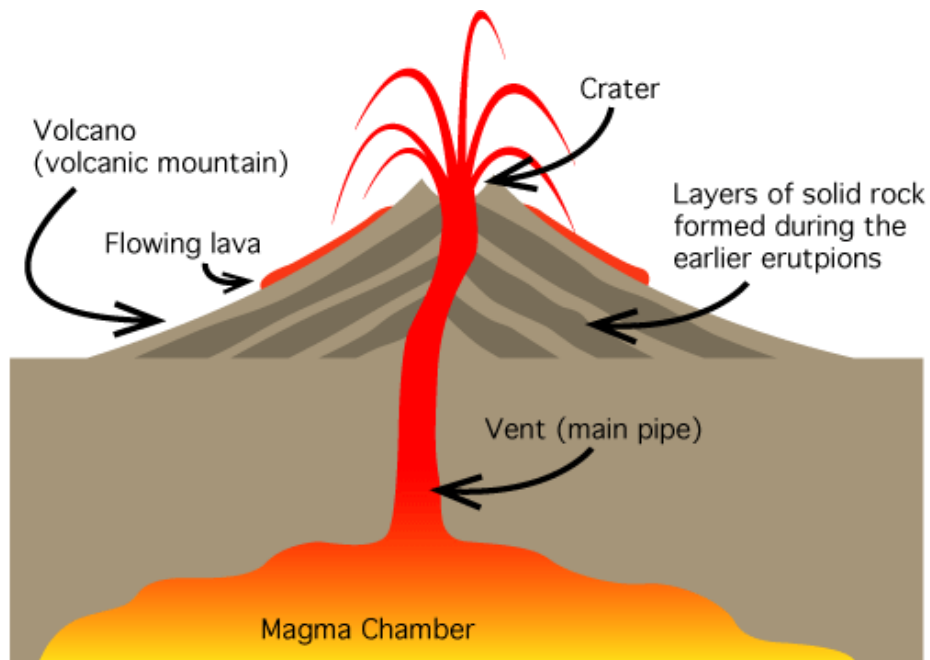


Figure 1: magma vs lava

- Extrusive: cools on the Earth's surface
- Intrusive: cools under the Earth's surface

Sedimentary (Deposition)

- Clastic: formed by mechanical weathering patterns (chunks of old rock in new rock)
- Chemical: formed when dissolved materials precipitate from solution
- Biogenic: formed by organic material

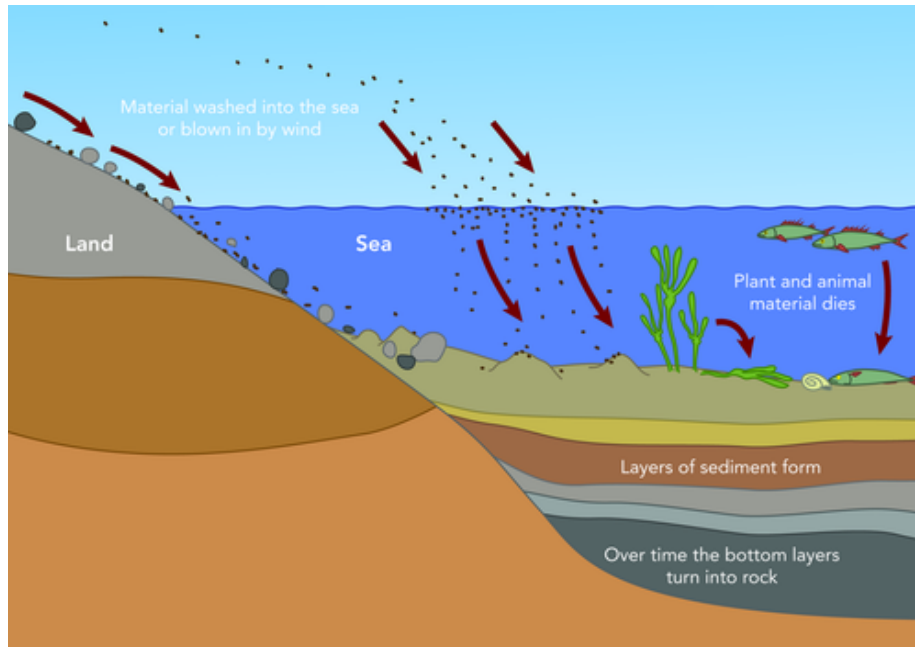


Figure 2: sedimentary rock formation

Metamorphic Rocks (Change)

Has been changed by heat, pressure and chemical

Foliated: layered or banded appearance (from heat and direct pressure)

Nonfoliated: from the accumulation of organic material



Figure 3: foliated rock



Figure 4: nonfoliated rock

See rock cycle diagram and figure 2.2 from Homework