

Study Guide

F2-1

Vocabulary

The Rock Cycle: the continual process by which new rock forms from old rock

Rock: a naturally occurring solid mixture of one or more minerals or organic material

Erosion: The process by which wind, water, ice, or gravity transports soil and sediment from one location to another

Deposition: the process in which material is moved by erosion and dropped/laid down to rest

Composition: the chemical make-up of the rock, the amount of minerals a rock contains

Texture: the quality of the rock that is based on size, shape, position of the grains

Uplift: movement of the earth that causes the rocks inside the earth to be moved to the surface and exposed to weathering and erosion

Lesson Content:

- The rock cycle is a continuous cycle.
- Rocks have been an important natural resource for as long as humans have existed. Rocks can be used for tools, roads, buildings, statues, etc.
- Weathering, erosion, deposition, and uplift are all processes that occur at the **SURFACE** of the earth.
- Heating, cooling, pressure, metamorphism are processes that occur on the **INSIDE** of the earth.
- Composition and texture are two characteristics that scientists use to classify rock.
- There are three main classifications of rocks: sedimentary, metamorphic, and igneous
- Sedimentary rocks are created from layers and layers of sediment that have been compacted or exposed to pressure.
- Metamorphic rock is created from sedimentary rock being exposed to heat and pressure.
- Igneous rocks are created from the melting of metamorphic rock into magma, which then cools and becomes a solid.
- Texture of rock can range from fine-grained, medium grained, and coarse grained.

Picture Diagram

-You will be given a diagram to the steps of the Rock Cycle. Study the diagram we drew and placed in our notes.

-You will need to know what process has to occur in order for the rock cycle to start over and weathering can take place (Uplift).

-Explain what Uplift is.

-Where does Uplift occur? (between Solidification and Weathering)