

**Make a Sedimentary Rock**

Sedimentary rocks are formed from smaller rock pieces that are layered and then get pressed together until they stick. We will learn about this process by making a model sedimentary rock with crayon shavings. Watch the Family Friday video June 12 for instructions.

**Materials**

crayons, several of each in four different colors

crayon or pencil sharpener

4 containers for holding the crayon shavings

3-6"x6" pieces of aluminum foil

popsicle stick or other disposable stirrer

mug

boiling water

**Vocabulary words:**

**Rock Families:** Geologist classify rocks into three basic groups based on how they were formed in nature.

The types of rocks are **igneous, sedimentary and metamorphic.**

**layers:** When one thickness of something is spread over another. For instance, a peanut butter sandwich has four layers, starting with a slice of bread, then the peanut butter, then the jelly, and then another piece of bread

**Sedimentary Rocks:** Sedimentary rocks are formed from sediments (tiny rock pieces that were created by weathering or erosion) that were layered and then compressed.

**Sediments:** Fragments of rock and minerals that are carried in water to another place and then settle to the bottom.

**Sandstone**: Rock made from grains of sand that each measure between 0.002 and 0.08 inch (0.06 and 2 mm).

**Limestone**: Rock formed when the shells of sea creatures are tightly packed together.

**Fossils**: The remains or traces of plants and animals that lived long ago

**Conglomerate rock**: Rock made of larger particles with minerals between them acting as cement to hold them together.