

## Changes to the Earth Types of Weathering Activity Page

**Estimated Time:** 10-15 minutes

**Age Range:** 4<sup>th</sup>

**What You Need:** Types of Weathering video or video script, pencil or pen

### New Words

**Weathering** - the natural process of the breaking down of rocks and minerals.

In the boxes below, write or draw your observations of the rocks that have been weathered by:

Water

Vegetation(plants)

Wind

Freeze Thaw

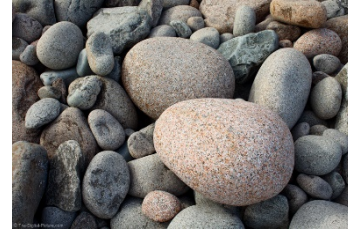
Use the information in the video to fill out the chart below:

### Cause of weathering

### Effects of weathering

**Water:** Sediment (small pieces of rocks and minerals) breaks off of rocks in the water. Moving water carries the sediment and it rubs against other rocks.

Rocks become \_\_\_\_\_ and \_\_\_\_\_



**Vegetation:** Roots grow into cracks in a rock and break it apart. Moss and lichen grow on rocks and break rocks down.

Rocks become \_\_\_\_\_ and tree roots grow through them.



**Wind:** Wind moves in a curvy motion and carries pieces of sediment. The sediment breaks down rocks.

Rocks have \_\_\_\_\_ sides and look sculpted.



**Freeze-Thaw:** Water gets in tiny holes or cracks in rocks. When the water freezes it expands. This happens repeatedly.

Rocks have large, \_\_\_\_\_ cracks.



Look at the images below and label each with the type of weathering that broke the rock down.

Types of Weathering Word Bank

Wind

Vegetation

Water

Freeze-Thaw

