

Rock Weathering Experiment

Name: _____

Waves are always hitting the coast, releasing energy that slowly breaks rocks into smaller pieces, eventually grains of sand! This process is called 'weathering'. Calm days create gentle waves, while storms create stronger ones that break rocks down faster. In this activity, you'll model gentle and powerful waves to see how energy and rock type shape the coast in different ways.

Use this table to record your observations about the three different rock types and the two levels of weathering.

| Rock Type | Description <i>(size, shape, texture)</i> | Low-Energy Weathering | High-Energy Weathering |
|-----------|---|-----------------------|------------------------|
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Conclusions: