

# WEATHERING & EROSION

## Station 6 Wave Action

### Materials:

Small cake pan    Water    Sand    Ruler

### What to do:

1. Fill the cake pan with about 3 cm of water and let it stand until it is still.
2. Add sand to **one end** of the cake pan until it rises above the water.
3. Measure the height of the sand.
4. Sketch your "beach" profile. (Draw what it looks like from the side).
5. Use the side of a ruler to generate SMALL, steady, even waves in the tray. Do this 15 seconds.
6. Observe the action of the waves on the sand.
7. Measure the height again.
8. Make a new sketch of your "beach."