

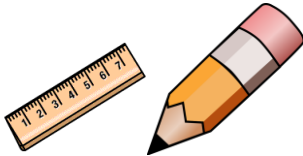






Erosion Station Investigation Cards

Water Erosion Station

Supplies: You will need the following supplies: Plastic bin with compacted soil, several small rocks, spray bottle with water, small watering can with water, tape measure or ruler

Directions:




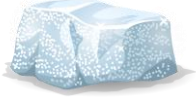


	1. In the plastic bin, build a small mountain from soil that is about 5 inches wide and about 8 inches high. Compact the soil on the mountain as much as possible with your hands.
	2. At different points along the mountain, press a few small rocks into the surface of the soil. Place them at the top, the bottom, and have them half sticking out
	3. Measure how tall the rock above the soil is with your ruler. Record this information on your data sheet.
	4. Use the spray bottle to create a light rainfall on the mountain. Make observations and record them on your sheet.
	5. Now use the watering can to create a heavier rainstorm on the mountain. Make observations and record them on your sheet.
	6. Look at the bottom of the mountain and make observations about what happened to the soil.
	7. Follow the directions for cleaning up your model

Erosion Station Investigation Cards

Glacial Erosion Station

Supplies: Ice cubes, block of ice, shallow pan, modeling clay, sand or small gravel

Directions:

	<p>1. Create a small flat piece of land from modeling clay in the shallow tray.</p>
	<p>2. Using an ice cube, press the ice cube against the clay and slide it back and forth several times. Record your observations.</p>
	<p>3. Pick up the ice cube and put a small pile of sand or gravel beneath it. Move the ice cube back and forth several times. Record your observations.</p>
	<p>4. Now repeat the previous step setting up the previous step with the sand and gravel. This time place the larger block of ice on top of the sand or gravel.</p>
	<p>5. Tilt the tray upward to an angle of 45 degrees. Just enough so that the block of ice starts to slide downward slowly. Allow it to slide forward for 1-2 minutes. Record your observations.</p>
	<p>6. Follow the directions for cleaning up your model</p>