

Jaykob Velasquez
Still Thirsty

The purpose of this experiment is to test whether or not the size of the solar still affects the amount of water produced. This experiment is important because if you are ever lost in the wilderness, at sea, or in an apocalypses situation you will need a safe way to purify drinking water. To construct this experiment you first dig three holes each 45 centimeters deep, then one $\frac{1}{4}$ meter across, the second $\frac{1}{2}$ meter across, and the third 1 meter across in diameter. Next you place one cup in the center of each hole. After the cups have been placed in the holes you cover each hole with plastic and place 1 weight on the plastic directly over the cup. Finally, 12 hours later you remove the plastic and measure the amount of water. The results of the experiment were very surprising because the medium sized solar still produced the most water instead of the largest solar still that I hypothesized would produce the most water.