

Emily Wilson
How Much Can You Hold?

The purpose of this project is to see what fabric holds the most amount of water. I hypothesized that wool would hold the most water and polyester would hold the least amount of water. For this test, I weighed a piece of 400 square centimeter fabric, and then let it soak in 500 milliliters of water for 1 minute, 30 seconds. Then I let it drip for 40 seconds and weighed it again. After that, I measured the remaining water. The data partially supported my hypothesis, because polyester absorbed the least amount of water, with an average of 5 milliliters. However, flannel ended up absorbing the most water with 34.7 milliliters on average. Wool, which I thought would absorb the most, came in third. These findings lead me to believe that if you want a very absorbent fabric, you should use flannel. If you want a less absorbent fabric, you should use polyester.