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*Water U Drinkin'?!*

The purpose of my experiment was to determine if carbon water filters reduce the acidity of tap water to a safe enough level to drink? I hypothesized that the pitcher filter will perform better in decreasing the acidity of water to a safe pH level. For this experiment I simulated different pH levels that could be found in some areas of the country and world. I used water, as well as it mixed with vinegar, lemon juice, and ammonia. I filtered these four different solutions into three filters. I took the pH and saw how much the filter altered it. The faucet filter, on average, changed the pH of the solutions by 0.9. The pitcher water filter altered the pH by about 0.7. The water bottle filter had an average change of 2.1 on the pH scale. The water bottle outperformed the others because it changed the pH the most out of all the filters. This was the second most expensive filter. People around the country live in continually growing cities that cause acids of all sorts to be released into the world. These acids make its way into people's houses and water supply. Exposure to these levels of acids can cause diseases to your body. There are so many different water filters that are “supposed” to get rid of these chemicals and acids. This would allow anyone to buy a filter that could potentially save their life.