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pH Of H₂O

My project is about which method is best at purifying water; boiling, a purifying pitcher, or iodine. I hypothesized that iodine would be the best at bring the pH of water to 7. I chose 7 because that is when water is pure. I had three trials using 250 ml of water for each cup. In the end iodine work the best by bring the pH to 6.4 while the purifying pitcher brought it to 8.4 and boiling brought it to 8. The control was 8.4 so the pitcher did nothing. That was my science fair project.