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The Effect of Tooth Decay

In this experiment I tested what liquid substance (lemon juice, orange juice, apple juice, and tap water) decayed the tooth faster. The results showed that lemon juice was the one that decomposed the tooth quicker than all the others. Doing more research on why, the lemon juice had the highest pH value of about two. A pH value is the number denoting the degree of acidity or alkalinity. A pH value scale goes from 0 all the way to 14. According to the scale a 7 is neutral. Anything lower is acidic (0-6) and anything higher is basic(8-14). On the pH value scale lemon juice had an acidic value of 2. In conclusion after weighing the teeth every three days, the lemon juice had the most drastic effect on the tooth. In a few more weeks the lemon juice would have completely eaten the tooth leaving nothing behind.