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| |  | | --- | |  | |  | |  | |  | |  | |  | |  | |  | |  | | |  | | --- | | h | | **<recommendations>** | |  | | Though I think the project went fairly well, I do have some recommendations for anyone attempting to recreate it: | |  | | 1) Try to obtain human teeth. The hydroxyapatite blocks are a good alternative when teeth are hard to find, but they're not the real thing. | |  | | 2) Use a larger number of substances. I only used eight substances, but a greater number with greater diversity would have yielded much better results. For example, liquefied potato, meat or fish juices, etc. | |  | | 3) Recreate the temperature of the human mouth. I kept substances in my project at room temperature (around 66�-68� F), but the human mouth is around 98� F. Keeping the containers heated would give better results. | |  | | 4) Use saliva. Saliva is a key part of the tooth decay process. If the blocks, or real teeth, were coated with or if the substances were mixed with saliva, the decay would be much more realistic. | |  | | 5) Don't use paper cups as containers. I used wax coated paper cups because they were more convenient than petri dishes, but the liquids soaked through and left an unfortunate mess on the table. | |  | | 6) 6 hours is not nearly enough time to let hydroxyapatite blocks or teeth sit in the substances. 24 hours or more at a time are needed to yield any results. | |  | |