This year for my science fair project, I am going to find out if fruit can produce electricity. I will also find out if all five of my fruits have acid in them and what makes fruit produce electricity. I was looking on the web and found a lot of similar science fair projects related to my topic. I thought that it would be pretty interesting to see if fruits can be made to produce electricity. I think that the lemon and lime will produce the most electricity. I also think that the banana will produce the least amount of electricity. In my experiment, I will use five types of fruit and three types of electrodes. The types of fruit are lemon, lime, orange, apple, and banana. The types of electrodes I will use are nickel, iron, and copper. I will check the electricity produced by the fruit every two days for 14 days. After my experiment was finished, I found out that the orange and apple produced the most electricity. I also found out that lemons, limes, and oranges have citric acid in them. They all contain water with various substance dissolved in it. I also found out that how much electricity they produce depends on how much water is within the fruit and what is dissolved in that water. The lime produced the least amount of electricity. All of the fruit ended up with some mold on them after a while. I also found that the fruits themselves do not produce the electricity. It is actually an exchange of electrons between the two electrodes that produce the electricity. The fruit provides ions so that the electricity can be conducted. All in all, the results of my experiment showed that my hypothesis was incorrect.