



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) Robert J. Weinstein	Project Number 22541
Project Title Do Apples, Oranges, Pears, and Bananas Have an Effect on the Reproduction Rate of Drosophila melanogaster	
Abstract Objectives/Goals My experimental question was #Do apples, pears, bananas and oranges effect the reproduction rate of Drosophila melanogaster (Fruit Flies)#. My hypothesis was that the Fruit Flies would have a greater reproduction rate in the apple. Methods/Materials First, I labeled five bottles each of oranges, apples, pears, bananas and control. I then put ten adult Drosophila melanogaster in each bottle. I counted how many adult, pupa and larva there were in each bottle every two days. I did this with a hand lens. Results After twenty-nine days, the apples had the highest number 26 of average adult Drosophila melanogaster. The pear came in second with 24 average adults. The banana was third with five average adults. The orange and control had the least number 0. Conclusions/Discussion I concluded that when kept in a confined area with the right food, the Drosophila melanogaster species would be able to reproduce at a consistent rate.	
Summary Statement I am testing if D. melanogaster will have a reproduction change in the different types of fruit	
Help Received Mom and dad in transportation and paying	