

CALIFORNIA STATE SCIENCE FAIR 2015 PROJECT SUMMARY

Name(s)	Project Number
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Project Title	
How Sweet It Is, or Is It? Measuring Glucose in Fruit.	
Objectives/Goals Abstract	
The purpose of this project was to determine the sweetness of five fruits based	on the aste in order from
highest to lowest, compared to the reading of glucose strips. My hypothesis for separately blend a banana, mango, strawberry, apple, and orange, and then est	for their glucose content
using a glucose testing strip, the banana would have the greatest glucose conter	stand the orange would
have the least. (In the order from least to greatest: banapa, mange, strawberry, hypothesis was based upon what my sense of taste concluded was the superest	apple, and orange.) This
Methods/Materials	irun.
To test this, I blended 3 Tbsp. of fruit with 300ml of water, bured the mixture	into a cup, and stirred a
this process for a total of 30 tests.	each suip and continued
Results	
sense of taste was not as accurate as the Diastix and although the banana was the	y hypothesis wrong. My
order of sweetness, following the banana, was the orange apple strawberry, and then mango.	
Conclusions/Discussion Using my sense of taste to determine the sugar content of frue was definitely not as accurate as using a	
more scientifically based measure. Even though my hypothesis was incorrect, I still achieved my goal of	
determining the fruit's approximate glucose content and hope that this will encourage other people, such as diabetics, that can't have too much sugar is evoluate the sugar content of they consume everyday.	
as diabetics, that can't have too index sugar, to evaluate the sugar content of the	ey consume everyday.
Summary Statement	
This project is about comparing the sweetness of fruit by taste to it's approxima	te measurement in a
Heln Received	