

CALIFORNIA STATE SCIENCE FAIR 2015 PROJECT SUMMARY

Name(s)	Project Number
Joe K. Debruynkops	
Project Title	35173
The Effects of Food Preservation Methods on the Enzyme Catalase	
Abstract	
Objectives/Goals This project was to determine the effect of different food preservation m	ethods on en vmes.
Methods/Materials	
The experiment#s control was fresh potatoes. The 4 variables were processive boiled potatoes. Each kind of potato was tested 4 times by blending the partial it in a beaker filled with hydrogen peroxide (H2O2). When catalyse reaches	on, dehydrated, blanched, and booteto with water and then mixing
it in a beaker filled with hydrogen peroxide (H2O2). When catalyse reac creates oxygen gas, which was measured.	ts with Lydrogen peroxide it
Results	\nearrow
On average, fresh potatoes produced 10 mL of oxygen gas per 10 second produced only about 3 mL of oxygen gas per 10 seconds and boiled, blank	ds)//hereas frozen potatoes //whed. and dehydrated produced 0
mL of oxygen gas per 10 seconds. Conclusions/Discussion	
I also noticed some very interesting trends and connections. In sonc usion	on my potato enzyme lab gave me
lots of useful information.	
Summary Statement	d former delandanced and for de
My project is about measuring the amount of catalase in blanched, boiled potatoes.	d, frozen, denydrated, and fresh
Help Received	
▼	