

Name(s)

CALIFORNIA STATE SCIENCE FAIR 2013 PROJECT SUMMARY

Project Number

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Project Title	
Natural Preservative vs. Mold	
Objectives/Goals Abstract	
My objective was to determine if ginger would be a good n its optimal storage condition.	natural preservative for home baked bread and
 Methods/Materials Method: I baked 5 different loaves of home baked bread us specific quantity of ginger to one, honey to the second, clow kept the fifth as it is for control. I also used one store bough different kinds of bread, placed them in Ziploc bags, labele environments, counter top, dark room, moist, and refrigerat track of the growth of mold through pictures and measurem Materials: home baked bread with honey, home baked bread cinnamon, home baked bread with cloves, home baked bread bread, cotton balls, Ziploc bags, and stationary materials as 	wes to the third, cinnamon to the fourth, and ht bread to compare. After baking I sliced the ed them and placed them in four different tor. I observed them on alternate days and kept nent. I repeated this process three times. ad with ginger, home baked bread with ead with no natural preservative, store bought
Results Ginger was not a good natural preservative as I had anticip preservative. The best storage condition was the refrigerator	
Conclusions/Discussion Ginger has been used for centuries as a natural preservative to test bread with ginger as a preservative. Out of all the dif to mold, therefore the least mold resistant. Honey was deter was the last one to mold among the home baked bread. The determined as refrigerator or dark room.	ifferent natural preservative ginger was the first ermined to be the best natural preservative. It

Summary Statement

My project is about finding a good natural preservative that could be used in bread which will increase its shelf life as good as store bought.

Help Received

My older sister helped me bake the breads; Mom helped me place it in zip loc bags and label them.