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	31871
Vitamin C Fever	R D
Abstract	
 Objectives/Goals The objective of my project was to find out if heat or refrigeration affect freshly-squeezed orange juice. My hypothesis was that heating orange Vitamin C, compared to refrigerated juice. Methods/Materials One ounce of freshly squeezed Washington Navel orange juice was back 	ets the amount of Vitamin C in sice will reduce the amount of ced into cups. The juices were
placed at three different temperatures, 37 °F, 70 °F & 100 °F for 6 hours each of these temperatures were conducted. After 6 hours, 10 trops of each of these cups, followed by the addition of 2% Iodine in drops until end point is reached when the final solution turns into a deep blue coor measured by counting the number of drops of iodine it takes to reach the	s respectively. A total of 4 trials at starch solution, was added into 1 the end point was reached. The The vitamin C content is we end point.
Results The average number of drops for the juices placed at 17°F, 70 F & 000 respectively. The results indicate that the refrigerated orange juice had the heated orange juice had the least. Conclusions/Discussion	^o F were 31.25, 28.5 and 27.25 the most Vitamin C content and the
the refrigerated juice. This study is significant because it is not only im form of orange juice, but drinking it cold is going to make you healthie	portant to take in Vitamin C in the r.
Summary Statement How Heat and Refigeration Affects Vitamin C Content in Orange Juice	
My mom helped by getting the supplies and monitoring the 6 hour heat I was at school.	ing and cooling experiments while