

## CALIFORNIA SCIENCE & ENGINEERING FAIR 2019 PROJECT SUMMARY

Name(s)	Project Number
Taryn Manns	J0621
	00021
Project Title	
Fe-ueling Iron Absorption	
Abstract	
<ul> <li>Objectives The objective of my experiment is to determine if iron absorbs faster on an emp stomach. </li> <li>Methods</li> </ul>	
Iron detector tablets, iron color chart, test tubes, distilled water, white distilled vinegar, almond flour. Measured the rate of absorption of iron in solutions representing a full stomach and an empty stomach. <b>Results</b>	
The rate of absorption of iron was significantly faster for the solution representing an empty stomach than the solution representing a full stomach. The solution representing an empty stomach also reached a higher level of absorption on the color chart reaching 5ppm (parts per million). The solution representing a full stomach only reached 1 ppm on the iron color chart. <b>Conclusions</b>	
Based on my experiment, iron absorption occurs faster on an empty stomach. T for people who take iron supplements.	This information is important
Summary Statement	
I showed that iron absorption occurs faster on an empty stomach.	
Help Received	
I prepared all of the solutions and compared the solutions to the color chart by r timing at the beginning of each trial from my mom.	nyself. I had help with the