



**CALIFORNIA SCIENCE & ENGINEERING FAIR
2019 PROJECT SUMMARY**

Name(s) Lily Yang	Project Number J0632
Project Title Electrolyte Challenge	
<p style="text-align: center;">Abstract</p> <p>Objectives The objective of this project was to determine which liquid contains the most electrolytes.</p> <p>Methods Multi meter, 9-volt battery, straw, 24-gauge copper wire, alligator clips, and various liquids. Test and measure current of various liquids five times.</p> <p>Results Several liquids were tested using a multi meter to find the conductance. Repeated trials were performed to ensure the accuracy. Coconut Water was found to contain the highest amount of electrolytes in all five trials.</p> <p>Conclusions Repeated trials performed showed a consistent result. It is concluded that Orange Juice is not the best choice as an electrolyte replenisher. The results show that Coconut Water would be a better choice than Orange Juice.</p>	
Summary Statement As tested for conductance, I found that Coconut Water contains the most electrolytes.	
Help Received None. I researched and performed the experiments myself.	