



**CALIFORNIA SCIENCE & ENGINEERING FAIR
2018 PROJECT SUMMARY**

Name(s) Kaia J. Moehlis	Project Number 38005
Project Title The Vinegar Effect: Cancer Cure?	
Abstract Objectives/Goals It has been suggested that yeast growth has important similarities to cancer growth. In this project I considered the effect of apple cider vinegar on yeast growth, with the goal of determining if it would be an effective cancer treatment. Methods/Materials I performed experiments in which increasing amounts of apple cider vinegar were added to a solution consisting of sugar and body-temperature water. Yeast was then added, and the height of the yeast growth was measured 15 minutes later. Results I found that using more apple cider vinegar slowed the growth of yeast, and that using enough apple cider vinegar stopped all yeast growth. Conclusions/Discussion Apple cider vinegar can be used to slow or stop yeast growth. Given the similarities between yeast and cancer, my research suggests that apple cider vinegar should be studied further as a possible cancer treatment.	
Summary Statement Apple cider vinegar can be used to slow or stop yeast growth, and given the similarities between yeast and cancer, this suggests that apple cider vinegar might also be an effective cancer treatment.	
Help Received My science teacher and my father helped me to formulate the experimental methods, and assisted with editing the text.	