



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

Name(s) Anika V. Koop	Project Number 38601
Project Title How Many Microorganisms Are in Various Bodies of Water?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective in this study was to figure out how many microorganisms are in the water around us, and which body of water has the most different microorganisms.</p> <p>Methods/Materials Microscope, 6 Containers, Glass Slides and coverslips, 6 Droppers, and water from various sources.</p> <p>Results Water from various sources were analyzed using a microscope to determine which water source contained the most different microorganisms. The amount of microorganisms found in the American River were found to contain 29% more than the next highest body of water.</p> <p>Conclusions/Discussion The study compared the quantities of microorganisms and it was discovered that the body of water with the most variety was the American River. This study was relevant because it discovered that the three bodies of water with the highest amount of microorganisms were flowing water. Also, the lake water had a similar count as the drinking water that was examined.</p>	
Summary Statement By measuring the amount of microorganisms in multiple bodies of water, I found that there is significant variation in the amount of microorganisms.	
Help Received My science teacher provided me with the materials to analyze the water. However I performed the analysis myself.	