CALIFORNIA SCIENCE & ENGINEERING FAIR
2018 PROJECT SUMMARY

Name(s)
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Project Number
J2022

Project Title
The Effect of Antibacterial Soap Brand on Bacterial Life Decrease

Abstract

Objectives/Goals
The goal of this experiment was to find what brand of antibacterial soap is most effective to kill bacteria.

Methods/Materials
Bacteria samples, Petri dishes, incubator inoculator, three brands of antibacterial soap. Grew bacteria colonies and treated them with various kinds of soap.

Results
It was found that Softsoap kills 55% of bacteria, Dial kills 50% of bacteria, Trader Joe's kills 6% of bacteria, and no treatment kills 0.75% of bacteria.

Conclusions/Discussion
Bacteria colonies were tested to find what brand of antibacterial soap is most effective to kill bacteria. It was found that more natural soaps are less effective at killing bacteria than chemical soaps.

Summary Statement
After testing different brands of antibacterial soap on bacteria, it was found that Softsoap is the most effective at killing bacteria.

Help Received
In addition to the help I received from my school and family, I was assisted by Dr. Kaitlyn Hanley. She helped me form my procedure so that it was safe and effective, answer my many questions, and encourage me to persevere in my project.