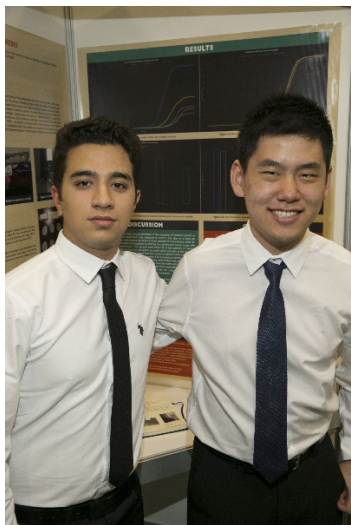


## CWSF 2017 - Regina, Saskatchewan



### Ariya Askari, Alan Zhou

#### The Effects of Sunlight on Bacterial Growth in Water Bottles

**Challenge:** Health

**Category:** Senior

**Region:** Toronto

**City:** Toronto, ON, Toronto, ON

**School:** A.Y. Jackson S.S.

**Abstract:** This experiment examined the changes in bacterial growth inside different bottles when exposed to sunlight. Bottles were placed in several environments with varying amounts of sunlight exposure. Under sunlight exposure, the metallic bottle had significantly more bacteria present when compared to others. The exposure to sunlight significantly suppresses the growth of bacteria in clear water bottles.

#### Biographies

Ariya - - We wanted to choose a topic that can relate to everyone and address a topic that we felt was making a big impact. - Turn this project into an innovation and provide a solution for this issue. - Pursue a topic that you are passionate about and can relate a wide audience.

Alan - (Alan) Zuoyi Zhou - Ever since I was eight years old, I was captivated by biology. I have always viewed science as a pathway to improve lives around the world. In the past year, I wanted to promote the importance of medicine; I took the leadership role of my school's HOSA chapter, which is an internationally recognized medical competition for secondary and post-secondary students. This experience has guided me in becoming a more decisive leader than previously. As a result of my dedication, I placed second in Dental Science nationally. For a long time, my partner and I have noticed that people misplaces their attention to the chemical effects...

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