Name(s)	Project Number
Chau (Jenny) Vuong	**S1725**

Project Title

Menu: Bottled Bacteria

Abstract

Objectives/Goals
To determined the amount of bacteria on water bottles after washing it with room temperature water.

Methods/Materials
Have 6 water bottles i took a sample from the bottle before anything can contaminate it as a control. then pass them out to my 2 helper. we each get 2 bottles, one label wash and the other label not wash. everyday exactly at 3pm i would take a sample of it and swap the nozel of the wash bottles before washing it to get the amount go bacteria in it. then swap it again after washing it with room temperature water only to see how much bacteria a left. the no wash bottles are not wash the entire week, i just take sample of it every day at 3pm so see how much more bacteria it accumulates.

Materials:
-petri dishes
-agar
-latex gloves
-dasani water bottles
-markers
-incubator to grow bacteria
-refridgerator

Results
After 5 long, long day the results said it all. the average number of bacteria remaining on the wash bottles after washing it increase from 0 at the starting day and 7 at the end. on the no wash bottles, the number of bacteria accumulates some increase some stay the same and some decrease.

Conclusions/Discussion
The number of bacteria got left behind increase over time because the number of bacteria grow everyday. and the bottles are not left to air dry afger washing. so the bacteria in the water drop stay in the bottles then continue to divide. As for the not wash bottles, there may be many sources of errors. for one it could decrease if the water in the water bottles may wash it out. not all the side of the cotton swab are properly swap on the petri dishes.

Summary Statement

To determined the amount of bacteria in water bottles wash vs. not wash.

Help Received

No other people assisted in the project.