CALIFORNIA STATE SCIENCE FAIR
2017 PROJECT SUMMARY

Name(s)
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Project Number
J2211

Project Title
What Are the Effects of Various Pollutants on Aquatic Plants?

Abstract

Objectives/Goals
The purpose of this science project is to determine what common pollutants are the most toxic. Also, to show people how badly they can really harm the aquatic world. The project is conducted by putting three different types of aquatic plants in a 1-gallon container. Then each pollutant is poured in their assigned container. Next, check every three days for nine days. After this investigation, you will have a better understanding of how pollutants affect aquatic life. Hopefully, you will learn to respect mother nature more. You will also learn about many different pollutants, their facts, and background information.

Methods/Materials
5-(1) gallon containers
4 cups of fluorite black aquatic plant soil in each one-gallon container.
Planted an aquatic plant combination in each one-gallon container.
Took blue aquarium gravel and spreader one cup on top of the soil.
Filled each one-gallon container with .75 gallons
Used glass cleaner on the glass one-gallon containers so the glass looks nice for pictures.
Added labels to each one-gallon container.
Took my dropper and dropped 20 drops of each container it went to except for one because there needs to be a control.

Results
The result of this project is that chlorine is the most damaging to the aquatic plants. The reason I think that the chlorine affected the most is because it is water soluble that mean it spreads evenly in the tank. Unlike motor oil and used motor oil.

Conclusions/Discussion
In conclusion, chlorine will kill the plants the most due to its toxic effect.

Summary Statement
The purpose of this science project is to determine what common pollutants are the most toxic.

Help Received
mom helped pay and provided transportation.