

# **Chemical X**

Where cleaning becomes sustainable

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# What is Chemical X?

- We are a multicultural group of business owners who are interested in providing sustainable cleaning
- And supplies that positively affect the Earth's environment.
  
- We make it our mission to use natural ingredients only.
- Our packaging come from all kinds of recyclable materials, and we go weekly cleaning in our workplace.



# Our Work plan

We will create eco-friendly cleaning products by using natural resources and ingredients. It's safe for our buyer's health, so the environment isn't being contaminated lowering our eco footprint as a business.

Our plan will positively affect the earth's spheres because our products will be naturally grown positively impacting the biosphere and atmosphere. Cleaning helps remove dust mold, and other pollutants from the air.

# How is it beneficial to the environment?

- It is beneficial to the environment because it doesn't require any type of gases to work and is also eco-friendly because the materials we are using can be recycled and reused.
- It also runs off electricity so there will be no type of air pollutants at all.

# Pros and Cons of the Cleaning Industry

<u><i>Pros</i></u>	<u><i>Cons</i></u>
<ul style="list-style-type: none"><li>• Gets rid of bacteria</li></ul>	<ul style="list-style-type: none"><li>• Can contaminate water sources</li></ul>
<ul style="list-style-type: none"><li>• Better air quality</li></ul>	<ul style="list-style-type: none"><li>• High pollutants</li></ul>
<ul style="list-style-type: none"><li>• Removes allergens</li></ul>	<ul style="list-style-type: none"><li>• High chemical uses in products</li></ul>
<ul style="list-style-type: none"><li>• High-quality cleaning</li></ul>	<ul style="list-style-type: none"><li>• Increases air toxicity</li></ul>

# Benefits and Trade-Offs we made as a result

<u><i>Benefits</i></u>	<u><i>Trade-Offs</i></u>
<ul style="list-style-type: none"><li>• Increases environment quality</li></ul>	<ul style="list-style-type: none"><li>• Not being able to use chemicals</li></ul>
<ul style="list-style-type: none"><li>• Renewable material</li></ul>	<ul style="list-style-type: none"><li>• Less usage of plastics for delivery or sales</li></ul>
<ul style="list-style-type: none"><li>• Employees will always be in a healthy and clean environment</li></ul>	<ul style="list-style-type: none"><li>• More money is spent weekly on cleaning the whole workplace</li></ul>

# Materials used, Products + Ecological Footprint of the Cleaning industry

## Materials:

- baking soda, vinegar, and lemons to clean. Also, things like rubbing alcohol, water, and paper towels. Things like lemons from the geosphere and biosphere, and water is from the biosphere.

## Products we carry:

- laundry detergent, laundry care, household cleaners, dishwashing detergent, and cleaning tools.

## Ecological Footprint:

- The Ecological Footprint of the cleaning industry is typically high depending on the production processes. If they utilize less sustainable and high chemically involved products, then the footprint would be extremely high.

# What we made

We made a Vacuum out of 100% recyclable materials that would only absorb and suck up recyclable materials *hence why the nozzle is small*. Anything larger is unacceptable and our companies vacuums will only take in recyclable materials.



# Blueprint for Physical representation

