Can you reuse disposable masks and if so how?

- By Freya Gupta, Miss Sprague, 5th Grade, Student Id: 313962
Project Description
Guiding Question: Can you reuse disposable masks and if so how?

Prediction

• I think you can re-use a disposable mask by washing it with tide.
• Repeated re-use should deteriorate the power of mask and I think we can increase the protection power of mask by putting a face tissue underneath it.
Materials

• 4 Disposable masks
• Tide Washing soap
• Dish Washing Soap
• Sanitizer
• Scale to measure distance
• Face tissues
• Perfume
Procedure
Repeat following Steps for 3 re-uses

• Sanitizer : Sanitized and let it dry for a day.

• Tide : Washed it with tide and made sure its rinsed thoroughly and let it dry for a day.

• Dish Wash: Washed it with dish washing liquid and rinsed thoroughly and let it dry for a day.

Changed Variable : What I wash the disposable masks with

Measured Variable : Distance to smell perfume from Disposable Mask

Reuse and measure every day for 5 days
Data

- Distance to smell (in centimeters) perfume after wearing mask.
- Increasing distance further, you can't smell the perfume.

<table>
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<th>B</th>
<th>C</th>
<th>D</th>
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<td>1</td>
<td>Days</td>
<td>New</td>
<td>Tide : Too Strong smell</td>
<td>Sanitized : Too Strong smell</td>
<td>Dish-washed</td>
<td>Dish-washed with face tissue</td>
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<tr>
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Distance to smell perfume from masks

Data for 5 days experiment

- Distance to smell (in centimeters) perfume after wearing mask.
- Increasing distance further, you can't smell the perfume
Research : Difference between Laundry Detergent and Dish washing liquid

• Hand Dish-washing detergent is infused with tons of foaming agents and very mild not anywhere near as harsh as laundry detergent.

• Dish wash soap touches your food while laundry touches your skin.
Sanitizer leaves very strong smell, no one can wear it even after 2 days of drying.

Tide has a strong smell of tide and you feel suffocated.

We could re-use the disposable masks by washing it with dish soap and adding a face tissue behind it for extra power after repeated re-use.

Since dish washing liquid is closer to your food, it is more safer to wear the masks washed with it.
Thanks You

https://www.quora.com/How-is-laundry-detergent-different-from-dish-washing-detergent