



Elodie's  
Science Fair  
Logbook

6mu



## Slideshow Topics:

- #1 Title: Germs ↓
- #2 Explanation: What are Germs? ??
- #3 Research: Types of Germs (1/2)
- #4 " " (2/2)
- #5 Research: Hand Washing
- #6 Explanation: Hand Sanitizer
- #7 Covid and Bad diseases  
↑ How to avoid germs
- #8 Vaccines ~~part~~
- #9 ~~Outro~~ → Conclusions
- #10 Thank you
- #11 ~~Germs~~ ♥

-virus → influ, common cold, some cancers  
bacteria - pne skin

## Hand Sanitizer

- It works to kill germs
- When soap and water aren't available
- Key ingredient = Alcohol
- Alcohol destroys disease-causing agents
- 60% Alcohol

(Conclusion)

Based on what I found in my research and

# Hand Washing

Soap

Washing your hands is the best way to stop germs. Think about what you did today; whatever you ~~did~~ touched today, you came in contact with germs, and it's most likely that your hands went into your mouth. You probably ate with your hands today. You can't wear gloves all day, so you wash your hands.

Happy Bday

How to prevent getting germs

- Wear a mask whenever necessary.
- Wash your hands
  - when you eat
  - when they are dirty
  - after in the Bathroom
  - after coughing or sneezing
  - after touching pets
  - and before and after seeing someone sick
- Use hand sanitizer when washing a sink is not handy
- Cover your mouth w/ elbow
- Stay home if sick

What to put in Slide #2

## What are Germs?

Germs are tiny organisms/living things that can cause disease and sick ness. There are 4 main types of germs. They are bacteria, viruses, fungi and protozoa. Germs can invade plants, animals, and people. They can sometimes make us sick. Germs can eat/attack nutrients and energy. They can make toxins. Those toxins can cause symptoms of common infections, like fevers, runny noses, coughing and puking.

# Types of Germ

2

that gets

#1 Bacteria they are tiny one celled organisms that get nutrients from their environments to survive. Sometimes that environment can be a human body. Bacteria can reproduce outside of the body or within and they could cause infection. Some infections caused by bacteria include ear infections, sore throats, cavities and pneumonia.

But not all bacteria is bad.

Good bacteria lives in our intestines and they help us use the nutrients in the food we eat and make waste. Some bacteria is used for medicine.

#2 Fungi are made ~~of~~ of lots of cells multi-celled plant-like organisms. Fungi cannot make food out of soil, water and air but instead they get their nutrients from plants, people and animals. They like to be in warm places. And lots of fungi is not dangerous to those who are healthy. An example of fungi is Athletes foot.

### #3 Viruses

Viruses need to be inside living cells to grow and reproduce. They can't live long if they aren't in a living thing. Where the virus lives in, is called a host. Viruses can spread & make people sick. Viruses cause chicken pox, measles, flu and lots more diseases, like COVID. They can live on countertops and doorknobs.

#4 Protozoa are 1-celled organisms that love moisture and spread diseases through water. Some Protozoa cause intestinal infections that lead to belly pain, nausea, bad wa and time on toilet.