The Secret World Of Germs

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Introduction

Germs have a reputation in the world that they are always bad for your body, and none are good for you. We will uncover the unknown, more than meets the eye and use questions to reveal the world of germs hidden secrets. We hope that when you finish reading, you will understand the truth and fascination that germs have.

Explanation of Scientific and Technical Principles

What are Germs?

Germs are microorganisms. They can be found in the air, soil, water, on your skin and in your body. Many germs live in and on our bodies without causing harm. Some even help us stay healthy. But some germs can make you sick. Infectious diseases are caused by germs. Germs are an essential part of life but they can also be dangerous.

Are Germs good or bad?

A general theory is that germs are bad for you. In truth, without germs, our body, our world wouldn't function without them. What you may not realize is that trillions of germs are living in and on your body right now. Most don't harm you, in fact, they help you digest food and protect against infections. Really there is no true answer to are germs good or bad as they are both.

How many types of Germs are there?

There are four main types of germs Bacteria (some of them are good and bad), Viruses (COVID-19,flu), Fungi (ringworm) and Protozoa single cell organisms (live off or in another organism). But with today's technology we cannot certainly determine how many different types of bacteria there are, but tests show that there are around 10^{31}.

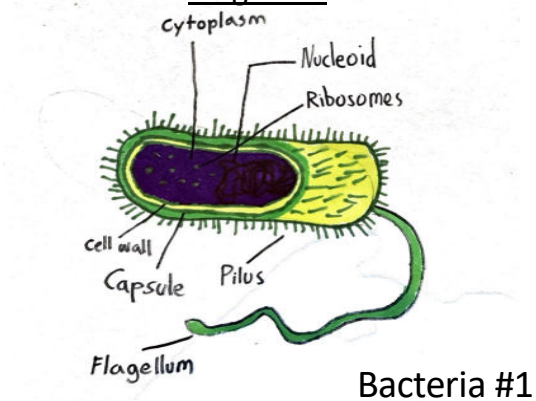
How do germs affect lives?

Germs affect human organism's by influencing colds and flus. Fungi, measles and other viruses have no antibiotics and can cause difficultly treating illnesses. Some bacteria play crucial parts in our lives, by keeping our digestive system in order, and rejecting harmful bacteria from entering. Docters use Germs in vaccine's, which plays a 'safety drill' of the real Virus in our body.

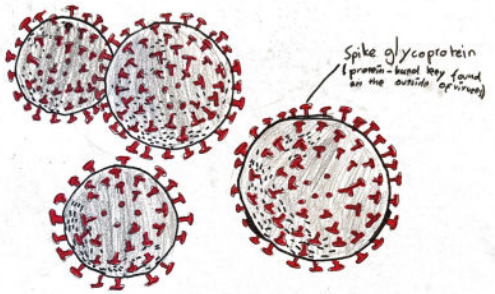
Where do germs thrive?

Bacteria survive hot and cold temperatures, but Bacteria that causes more diseases grow fast in a range between 7.2° and 57.2 ° C. The majority love moist, warm temperatures. Fungi are spread all over the world, few live in Arctic regions, Protozoa can be plants or animals, and some live by rivers. Viruses spread in host cells, in microorganisms and mostly cause harm. Viruses spread direct through sick and infected people. Overall, germs thrive nearly everywhere.

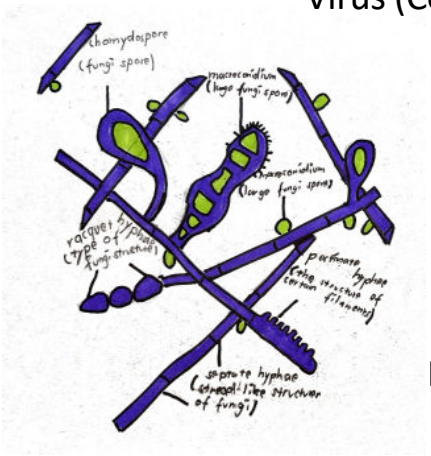
Diagrams:



Bacteria #1



Virus (Covid-19) #2



Fungi #3

Conclusion

We have explored the ways of Germs, how there is no real answer to weather germs are good or bad, the four main types, what germs are, how they affect microorganisms, and where they thrive. If we were to do this project differently, we would focus more, communicate better, and use time more wisely. There, the Secret world of Germs, is a secret no more.

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