

# COVID-19

CORONA VIRUS OUTBREAK

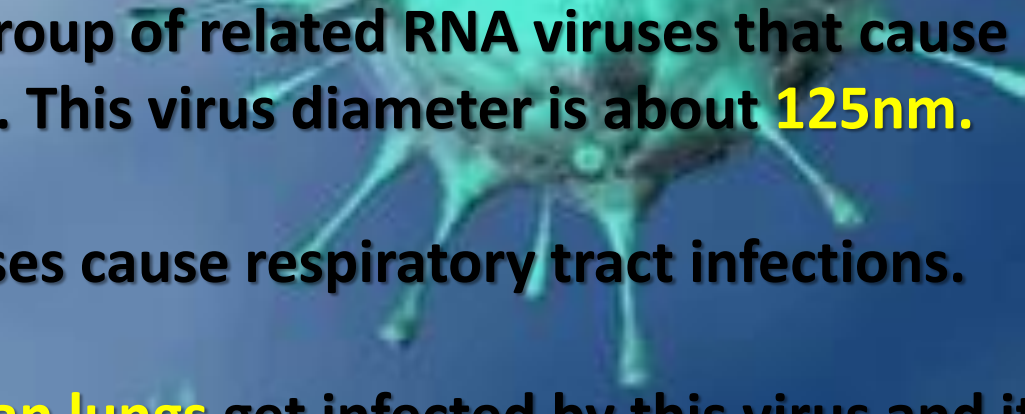
VENUKA THAVIRU  
GRADE 10

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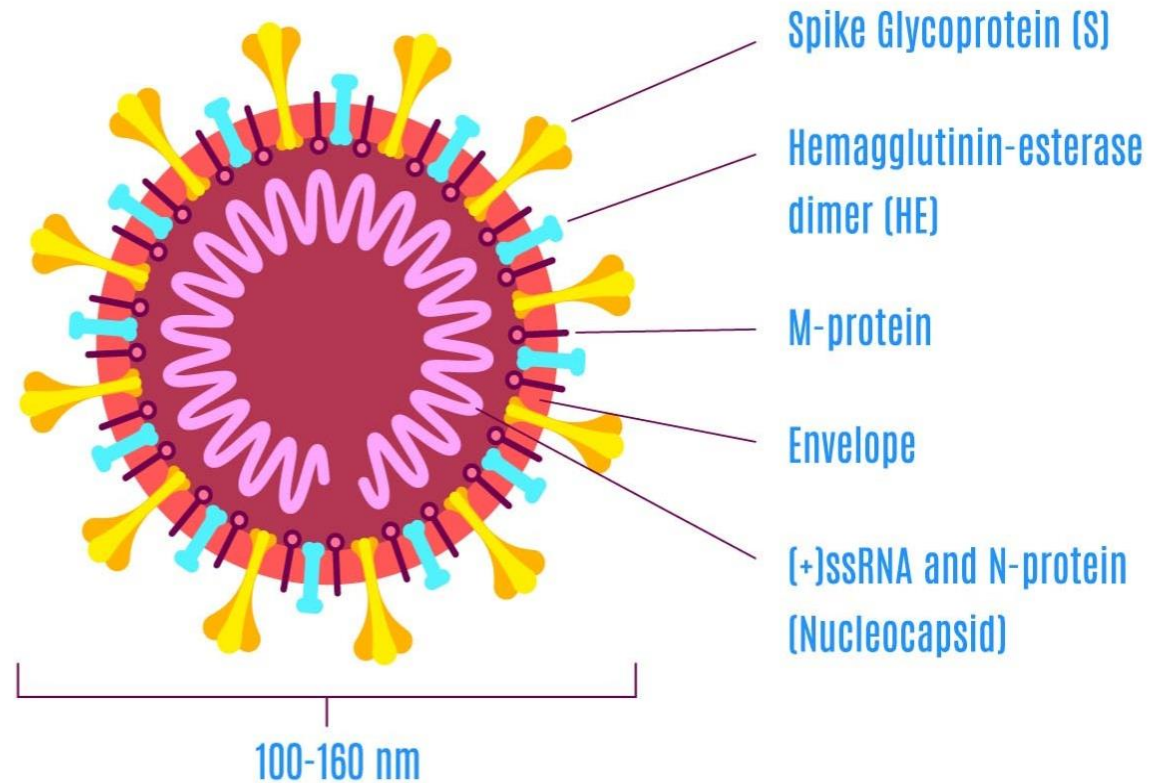
# INTRODUCTION

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- **Coronaviruses** are a group of related RNA viruses that cause diseases in mammals and birds. This virus diameter is about **125nm**.
  - In humans, these viruses cause respiratory tract infections.
  - Most commonly, **human lungs** get infected by this virus and it prevent proper absorption of oxygen to the body.
  - It can be widely spread among humans by **droplets of saliva**, discharge from the nose or mouth when an infected person coughs or sneeze.
  - Older people, and those with underlying medical problems like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop this illness.



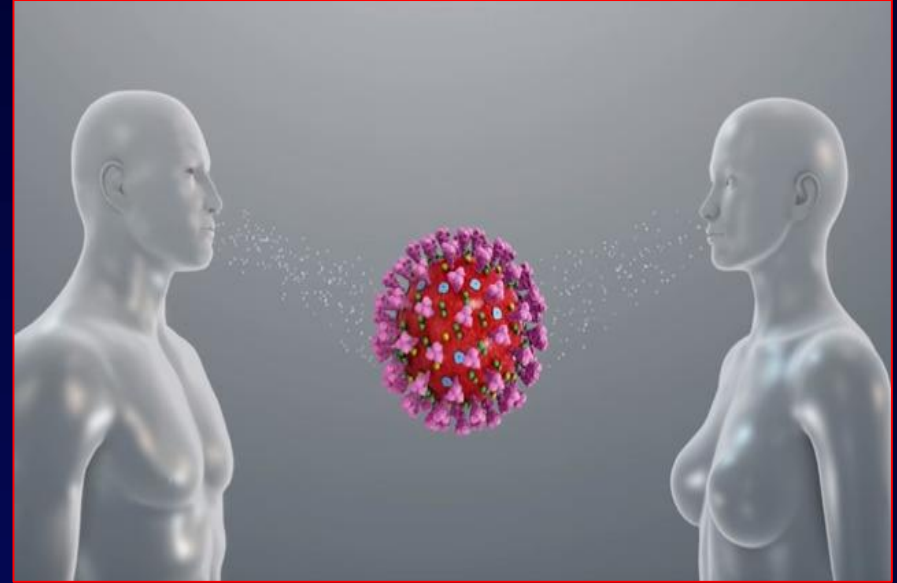
# STRUCTURE OF CORONA VIRUS

- The average diameter of the virus particles is around 125 nm. The diameter of the Envelope is 85 nm and the spikes are 20 nm long.
- Inside the envelope, there is the **nucleocapsid**, which is formed from multiple copies of the **Nucleocapsid protein**.
- The lipid bilayer envelope, membrane proteins, and nucleocapsid protect the virus when it is outside the host cell.



# HOW CORONA VIRUS SPREAD?

1. By airborne
2. By wild animals
3. By social contacts



# SYMPTOMS OF CORONA VIRUS

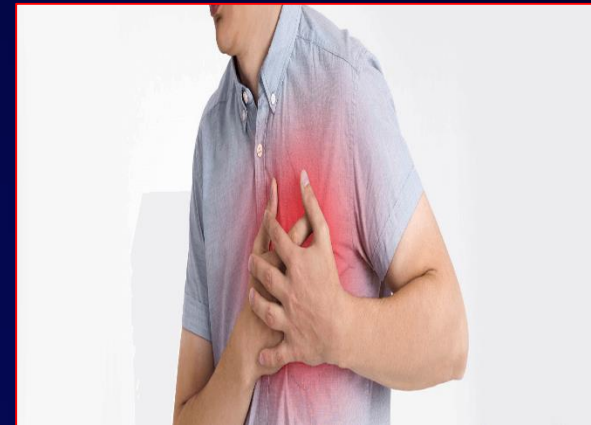
## MAJOIR SYMPTOMS ;

- Fever
- Dry Cough
- Fatigue



## SOME PATIENTS MAY ALSO HAVE ;

- Sore Throat
- Diarrhea
- Running Nose
- Chest Pain
- Shortness of breadth



# CORONA VIRUS SPREAD IN THE WORLD

- The birth place of this virus is China. But, now the moment it spread all over the world rapidly.
- America, Spain, Italy, France, China and Germany are some major countries which affected by this corona virus.
- Most countries are now lockdown to avoid spreading of COVID-19 virus and those countries practice more strict rules to overcome from this challenge.





# CORONA VIRUS CASES OF THE WORLD

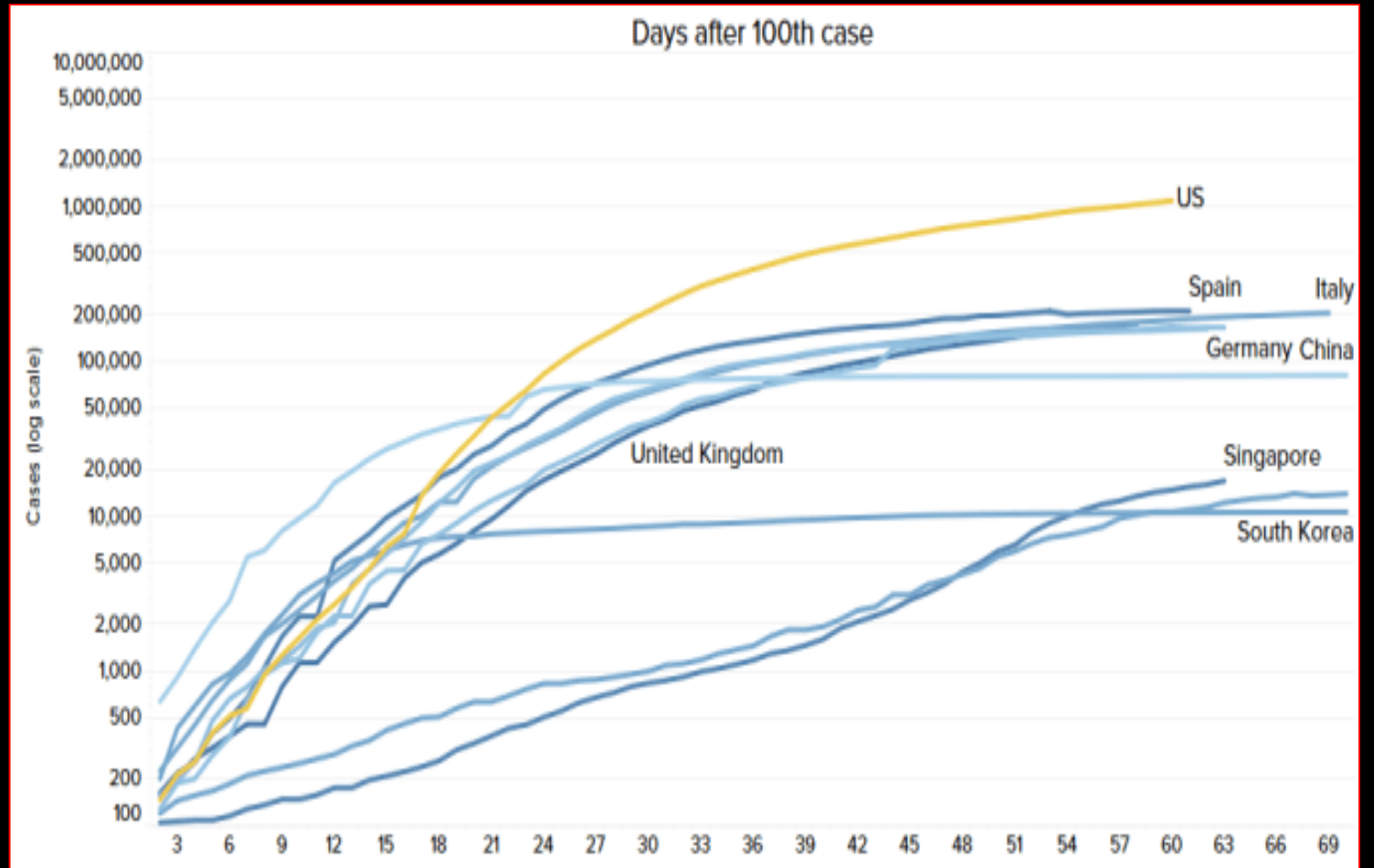
- America, Spain and Italy are the countries which got more damage by the corona virus.

TOTAL CASES = **3,647,623**

DEATHS = **252,444**

RECOVERED = **1,200,778**

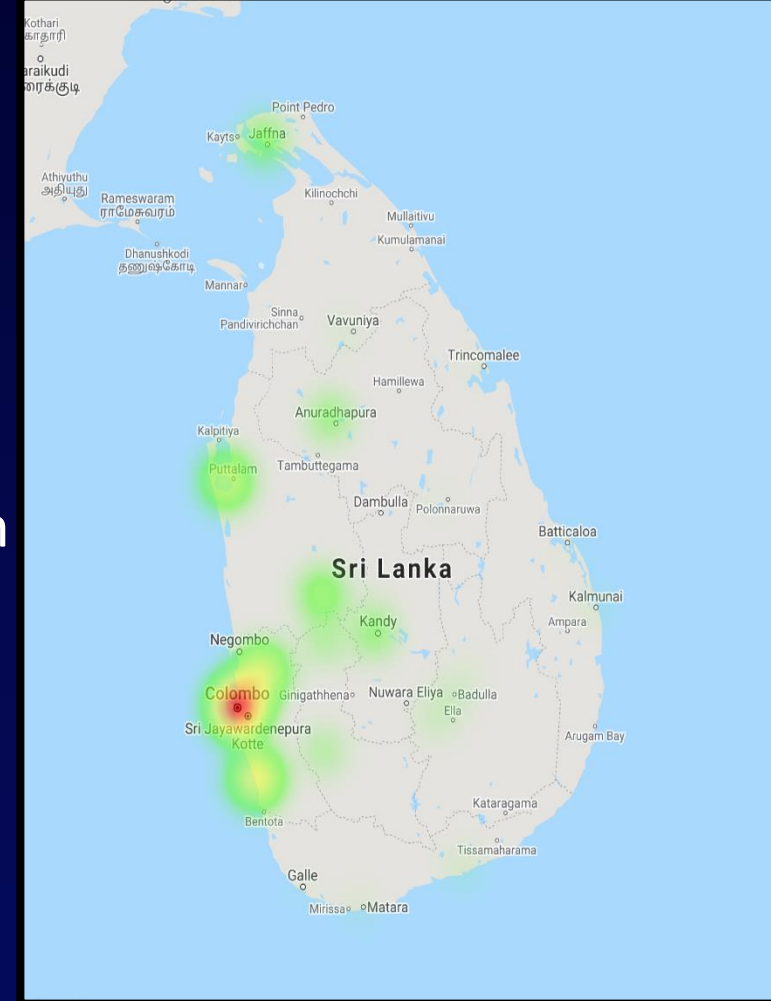
ACTIVE CASES = **2,194,401**





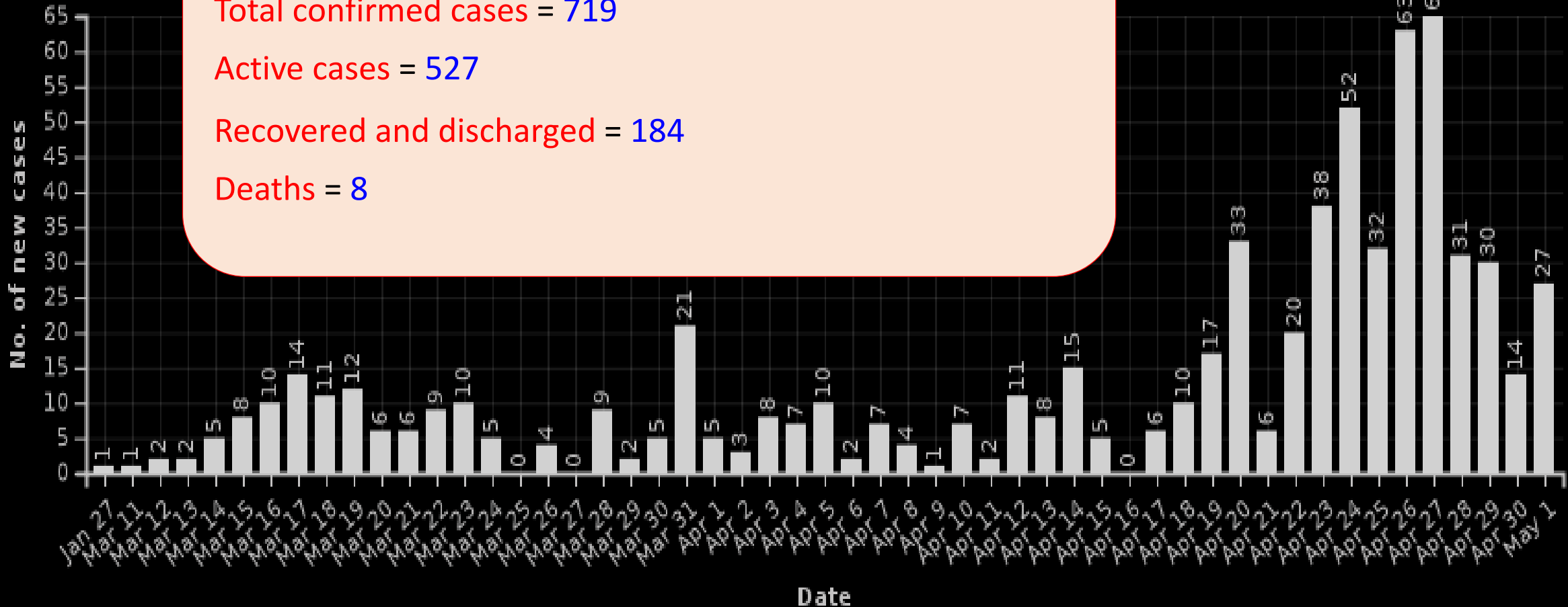
# CORONA VIRUS SPREAD IN SRI LANKA

- As of 23 March, **45 quarantine centers** have been built in the country by the **Sri Lanka Army** as a preventive measure to tackle the coronavirus pandemic.
- Nearly **3,500 people** have been under quarantine in 45 quarantine centers.
- As of 25 March 2020 Sri Lankan authorities have tracked down over **14,000 people** who had contacted the identified patients and had ordered self-quarantine for such people.
- Meanwhile, Sri Lanka has been ranked **9th best country** in the world for its successful immediate response on tackling the virus.



# CORONA VIRUS CASES IN SRI LANKA

Individuals currently under investigations in hospitals = 176  
Total confirmed cases = 719  
Active cases = 527  
Recovered and discharged = 184  
Deaths = 8



(INFORMATION FROM JANUARY 27 TO MAY 1)

# TRIALS OF CORONA VIRUS AFFECTED PEOPLE IN SRI LANKA



North East Explorer 12 Day Trial



Colombo Trial



North East Beach Trial

TO AVOID SPREAD OF CORONA VIRUS,  
**BEST TO STAY AT HOME!!**



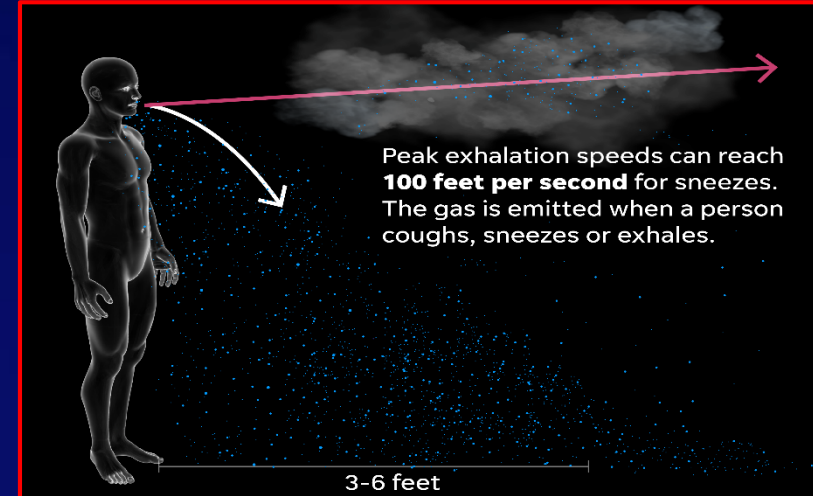
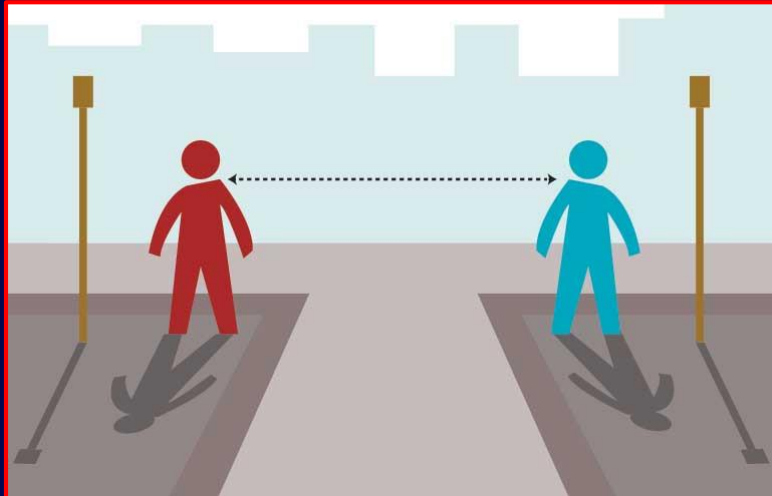
# HOW TO OVERCOME FROM CORONA VIRUS?

To prevent infection and to slow transmission of COVID-19, do the followings :

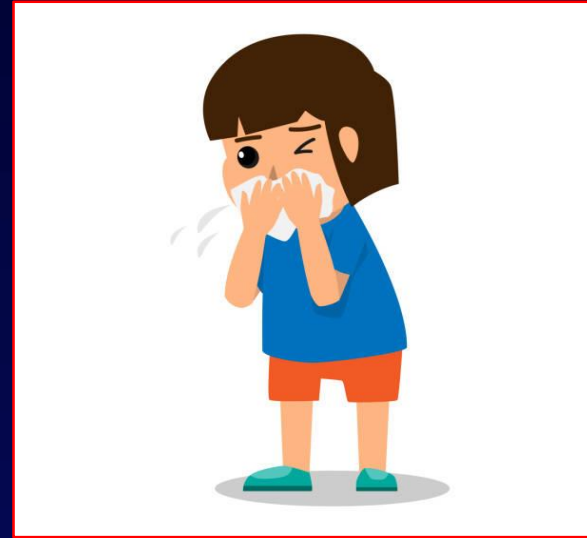
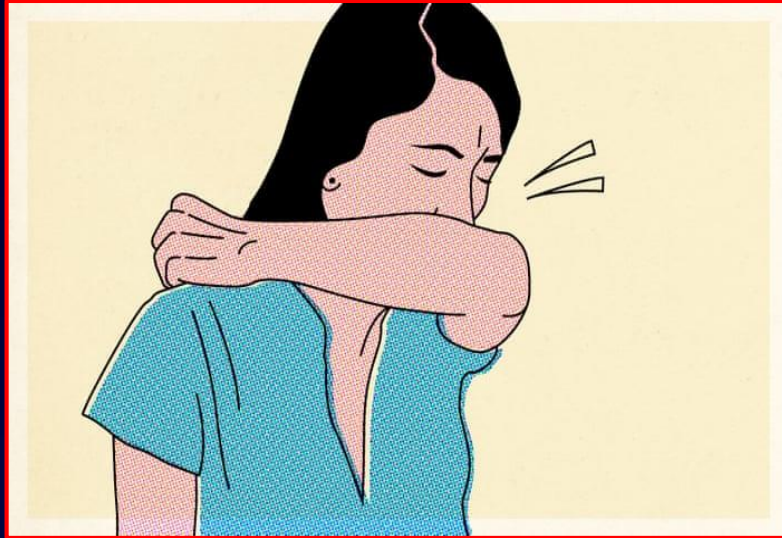
- Wash your hands regularly with soap and water, or clean them with alcohol-based hand rub and use masks.



- Maintain at least 1 meter distance between you and people who are coughing or sneezing.



- Avoid touching your face, eyes and mouth and Cover your mouth and nose when coughing or sneezing.



- Refrain from smoking and other activities that weaken the lungs.
- Practice physical distancing by avoiding unnecessary travel and staying away from large groups of people.



*THANK YOU!*

I Would like to Thanks for Our Teacher Mrs. Arosha Madiwake,  
And All Persons Who helped me to create this valuable presentation....