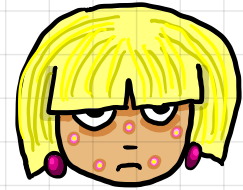


# Viral diseases

## Measles



Measles is a viral disease showing symptoms of **fever** and a red skin **rash**. Measles is a serious disease and can be fatal if complications arise. The disease can be prevented by the immunisation of young children.



The measles virus is **spread** by **inhalation** of droplets from sneezes and coughs.

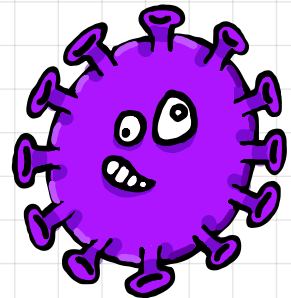
## Human immunodeficiency virus (HIV)



HIV initially causes a **flu-like** illness. Unless successfully controlled with antiretroviral drugs the virus attacks the body's immune cells.

Antiretroviral drugs prevent the virus from making copies of itself.

Late stage HIV infection, or **AIDS**, occurs when the body's **immune system** becomes so badly **damaged** it can no longer deal with other infections or cancers.

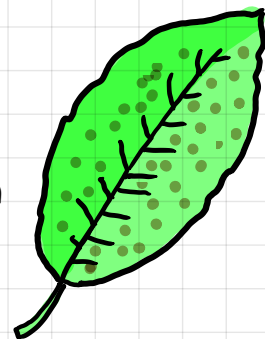


HIV is **spread** by **sexual contact** or **exchange** of **body fluids** such as blood which occurs when drug users share needles.

## Tobacco mosaic virus (TMV)



Tobacco mosaic virus (TMV) is a widespread plant pathogen affecting many species of plants including tomatoes. It gives a distinctive 'mosaic' pattern of discolouration on the leaves which affects the growth of the plant due to lack of photosynthesis.

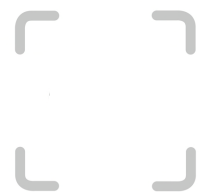


## COVID - 19



COVID - 19 is a new type of virus. It was able to spread rapidly because the appropriate precautions were not taken. Once the virus was understood, measures such as social distancing, hand sanitisers and disinfectants were able to reduce the transmission of the disease.

A vaccination programme has been introduced to prevent the disease.



 watch video