

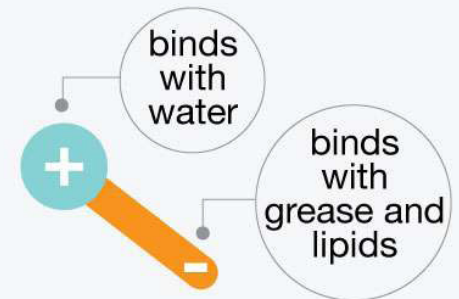
How soap works against Covid-19

There is a simple reason authorities keep telling you to wash your hands with soap to help combat the spread of Covid-19. IT WORKS.



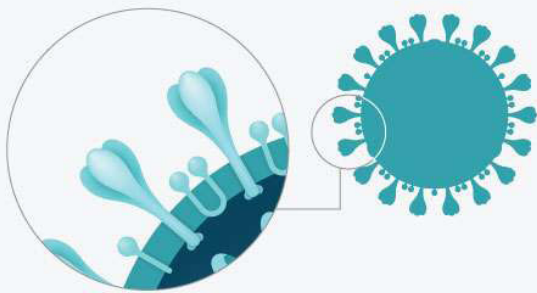
Infection:

Studies show people touch their face an average of 23 times an hour, including 10 touches of nose, mouth or eyes – the three infection points for the coronavirus.



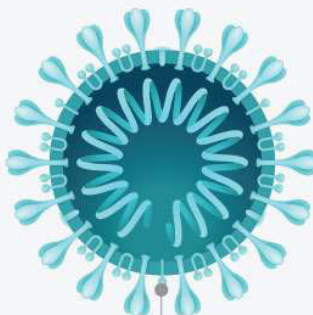
Soap molecule:

Can mix with both water and oils and fatty acids (lipids)



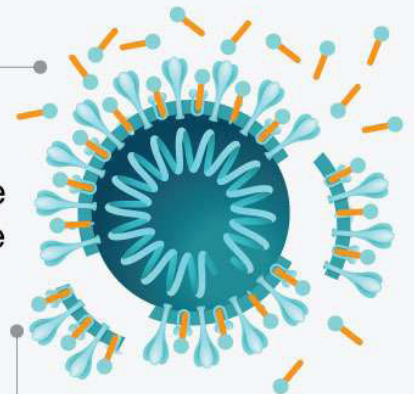
Covid-19 virus:

Has protein spikes which it relies on to enter human cell and replicate



Virus has protective lipid membrane

Soap molecules in water bind to the membrane



And then break it down. Viral particles are washed away by water



Hand washing:

Destruction of the virus takes at least 20 seconds



Hand sanitisers:

Vigorous cleaning. Needs at least 60% alcohol content