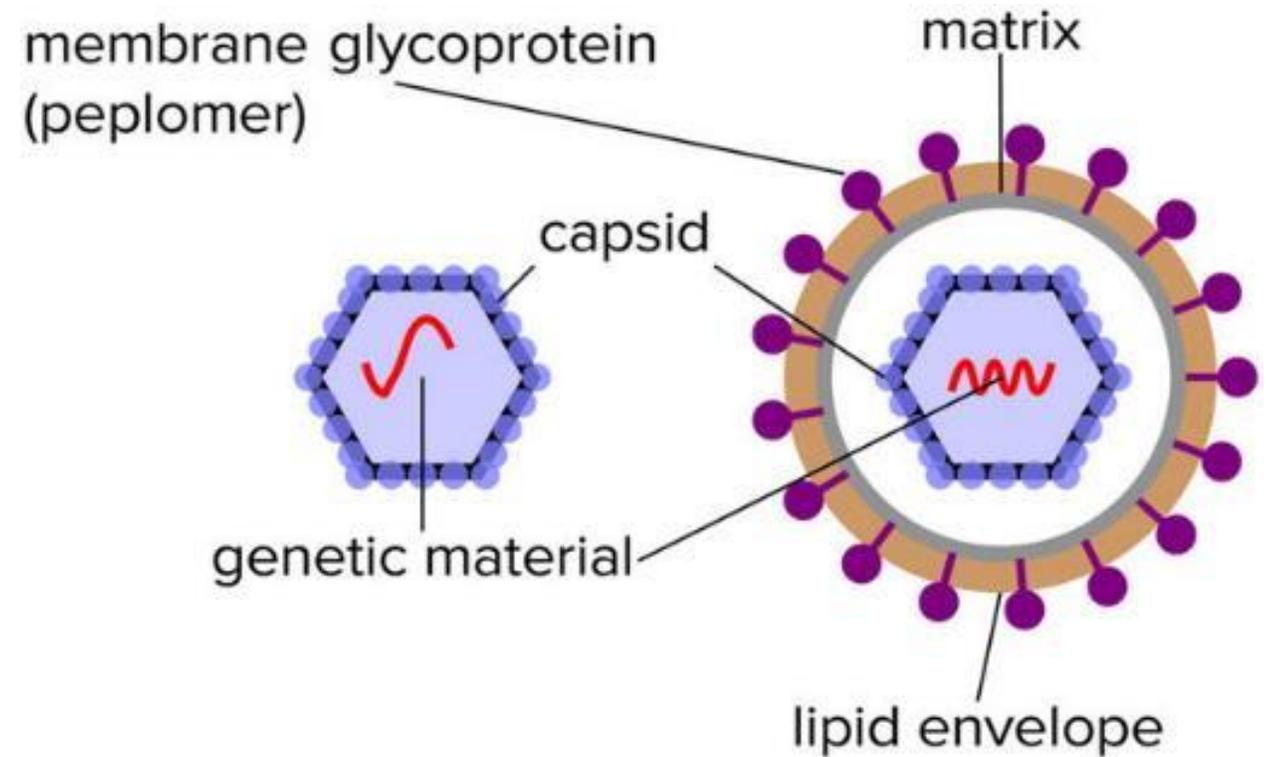


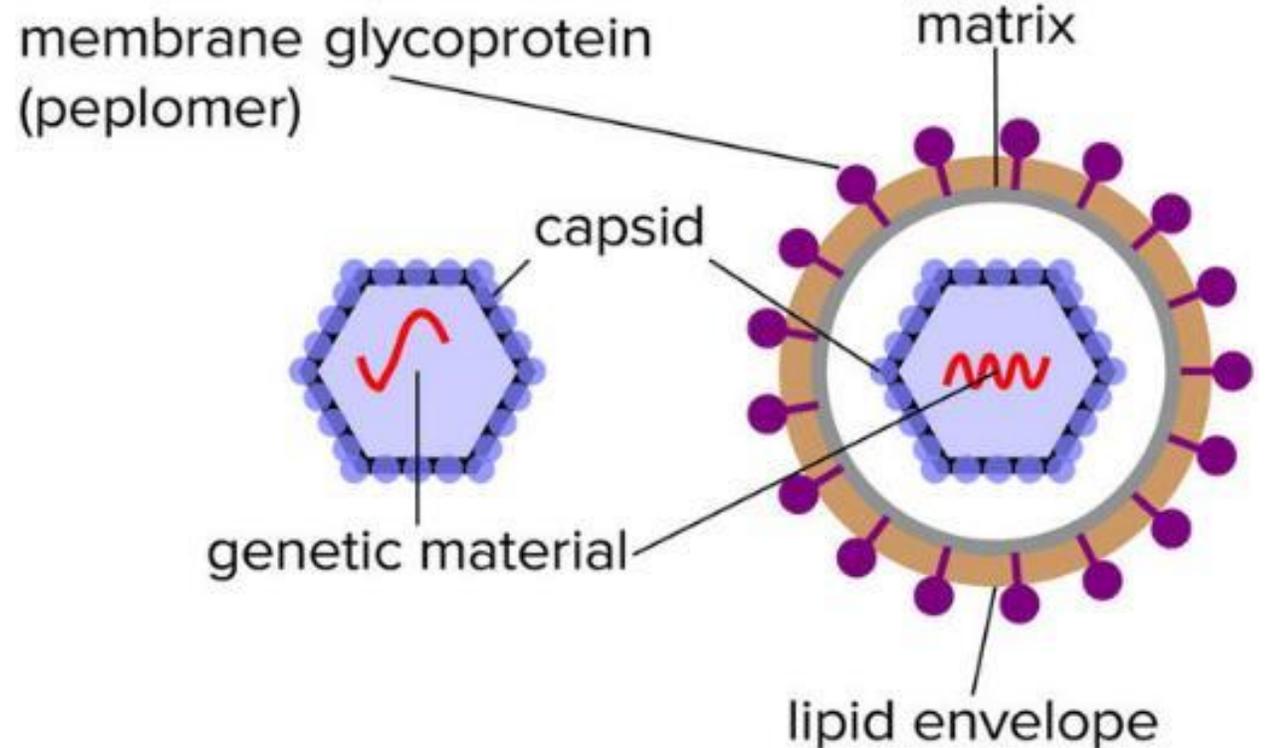
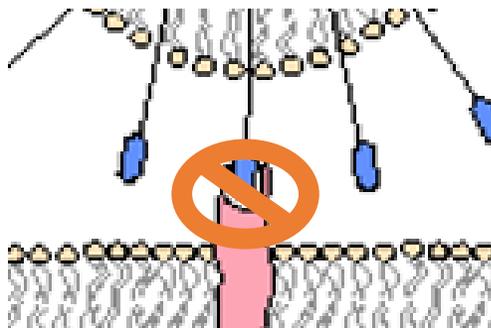
Know your enemy

🌐 SARS-Cov-2 is an enveloped virus



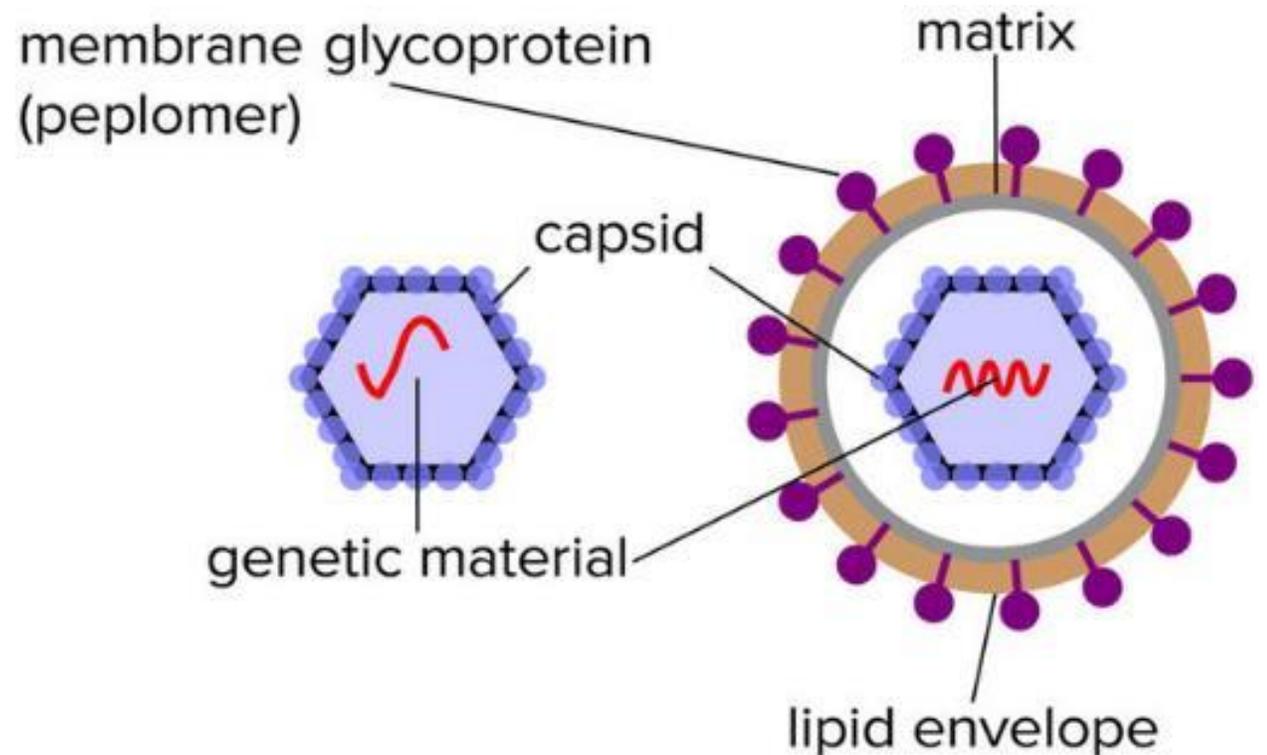
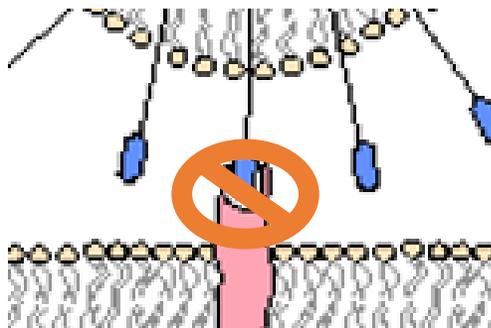
Know your enemy

- SARS-Cov-2 is an enveloped virus
- By disrupting the envelope we can remove the binding site



Know your enemy

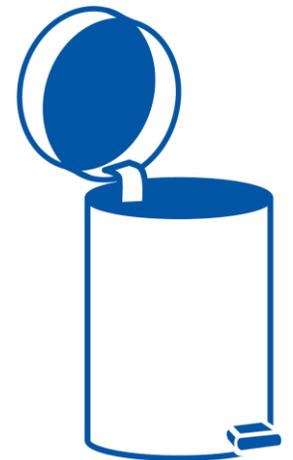
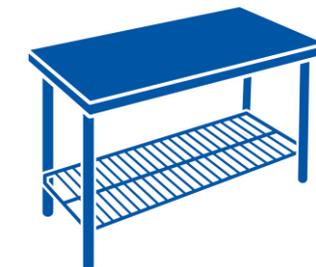
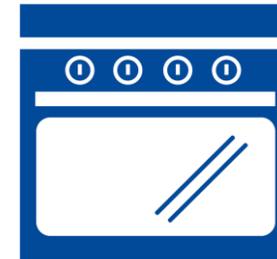
- SARS-Cov-2 is an enveloped virus
- By disrupting the envelope we can remove the binding site
- If the virus cannot bind, it cannot infect a cell.



The Role Of Cleaning

- Research has concluded that virus is by person-to-person spread, there is no evidence to support transmission by food (WHO and EFSA)
- Focus needs to be on common touch surfaces: -

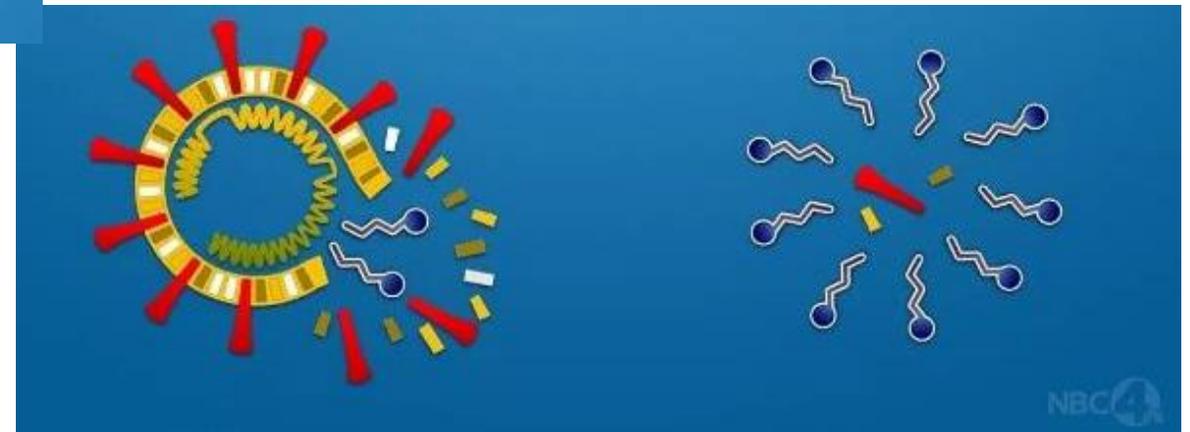
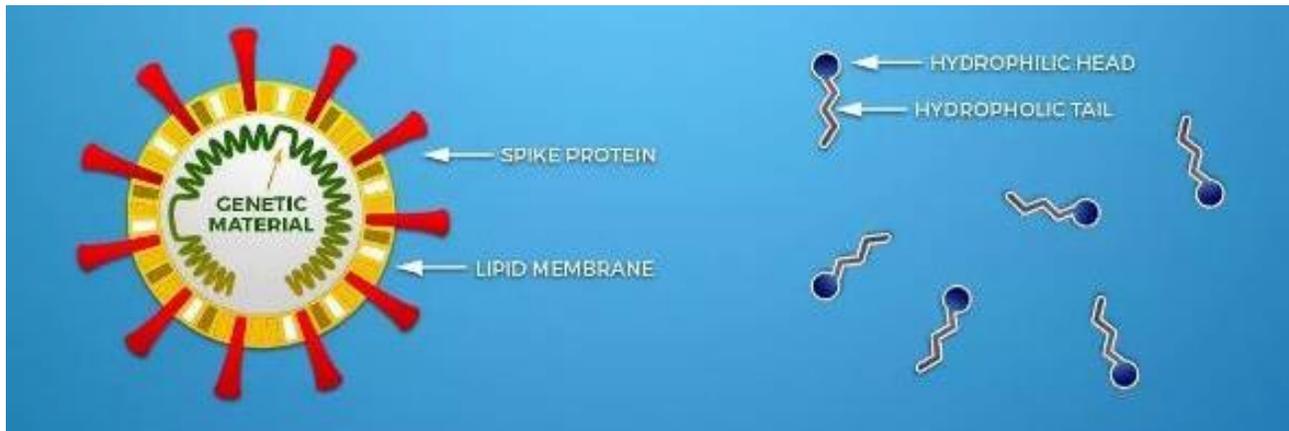
- Touch screens
- Door Handles
- Stair rails
- Etc,
- Cooker controls
- Slicer controls
- Chiller shelves
- Waste bins



The Role of Cleaning

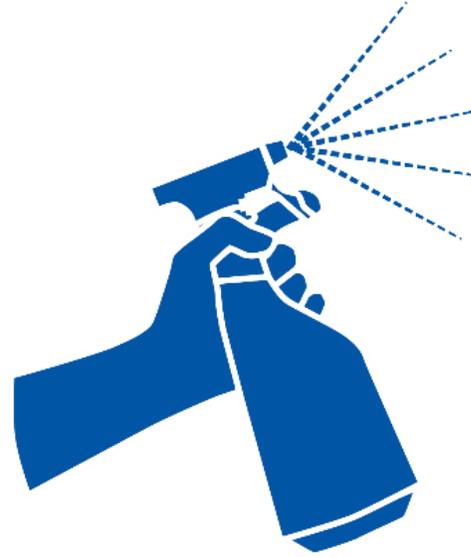
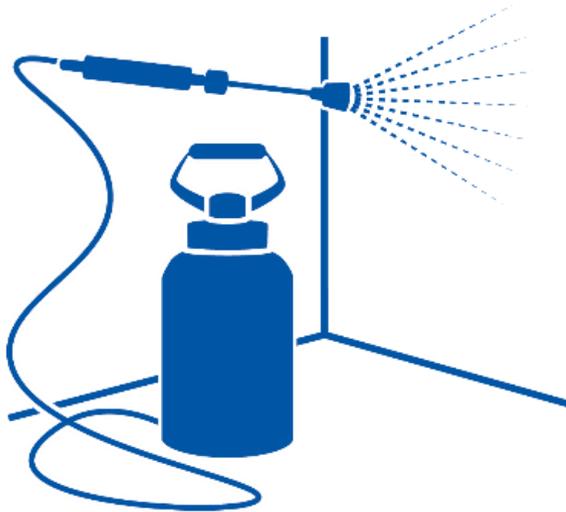
Cleaning: -

- Removes debris taking contaminants away at the same time
- Disrupts the viral envelope destroying the ability of the virus to infect a cell



The Role Of Cleaning

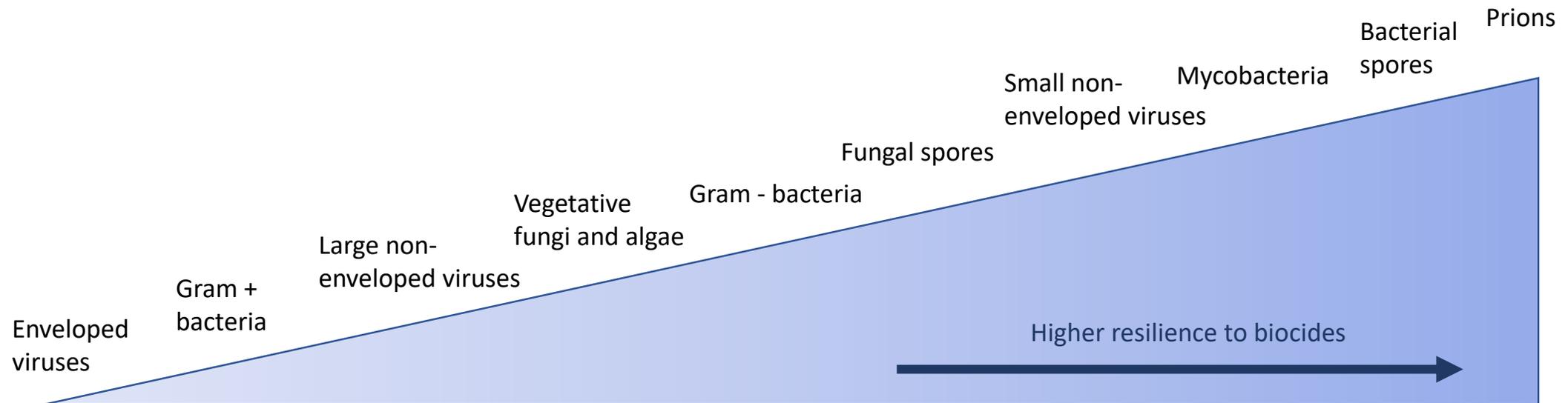
Appropriate methods of cleaning: -



The Role of Disinfection

Enveloped viruses are recognised as having the least resilience to biocides: -

- Disruption of the envelope
- Interference with the protein binding site



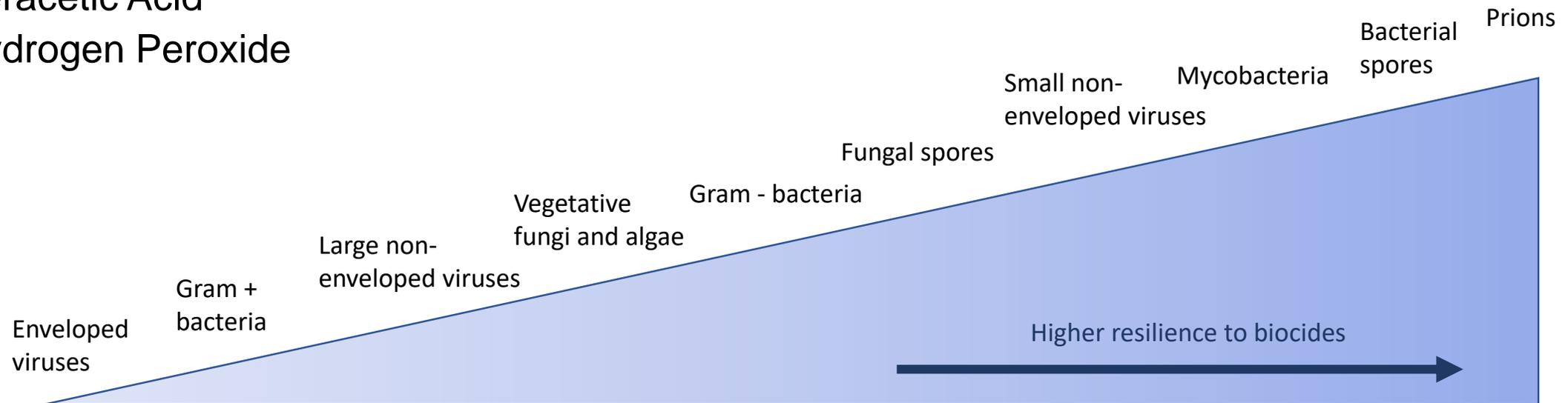
The Role of Disinfection

Enveloped viruses are recognised as having the least resilience to biocides: -

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Current WHO guidelines: -

- Sodium hypochlorite <1,000 ppm
- Peracetic Acid
- Hydrogen Peroxide



The Role of Disinfection

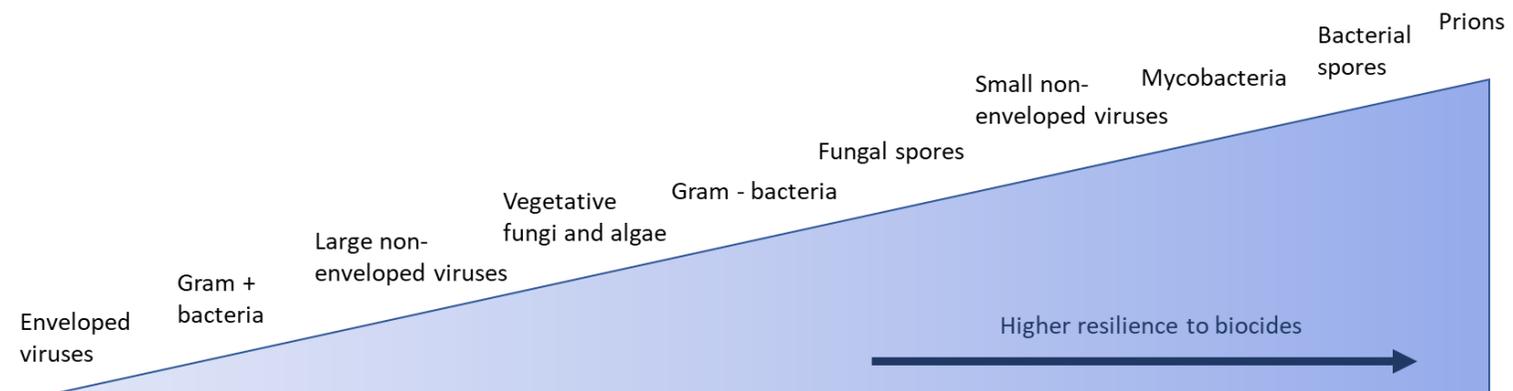
🌐 Enveloped viruses are recognised as having the least resilience to biocides: -

- Disruption of the envelope
- Interference with the protein binding site

🌐 Current WHO guidelines: -

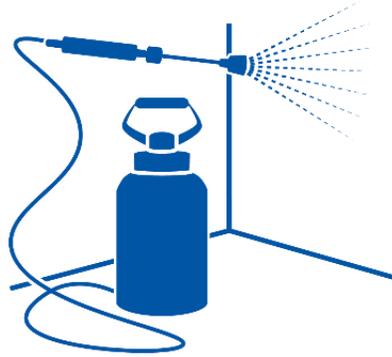
- Sodium hypochlorite <1,000 ppm
- Peracetic Acid
- Hydrogen Peroxide

🌐 However research is showing that other actives are equally effective with longer contact times.



The Role of Disinfection

Applied via: -



Limitations: -

- Surfaces must be clean – if not, contaminants can be occluded
- Care should be taken with combined detergent/disinfectant products (aka sanitiser)
- Residual detergent can inactivate biocide's ability to kill/denature
- If using chlorine based, a rinse may be necessary to avoid food contamination.

The Role of Disinfection

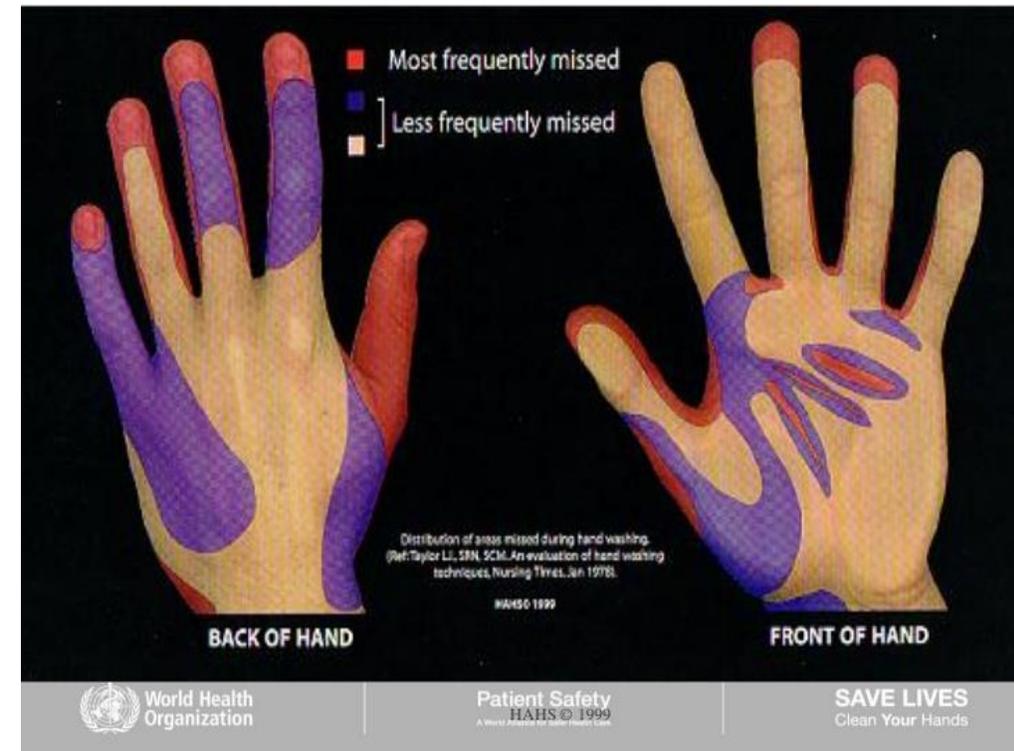


Additional information: -



Hand Washing

- Commonly missed areas during hand-washing
- Use of sanitiser only can miss the finger-tips
 - Key cross-contact point
 - Apply to finger-tips not into palm



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