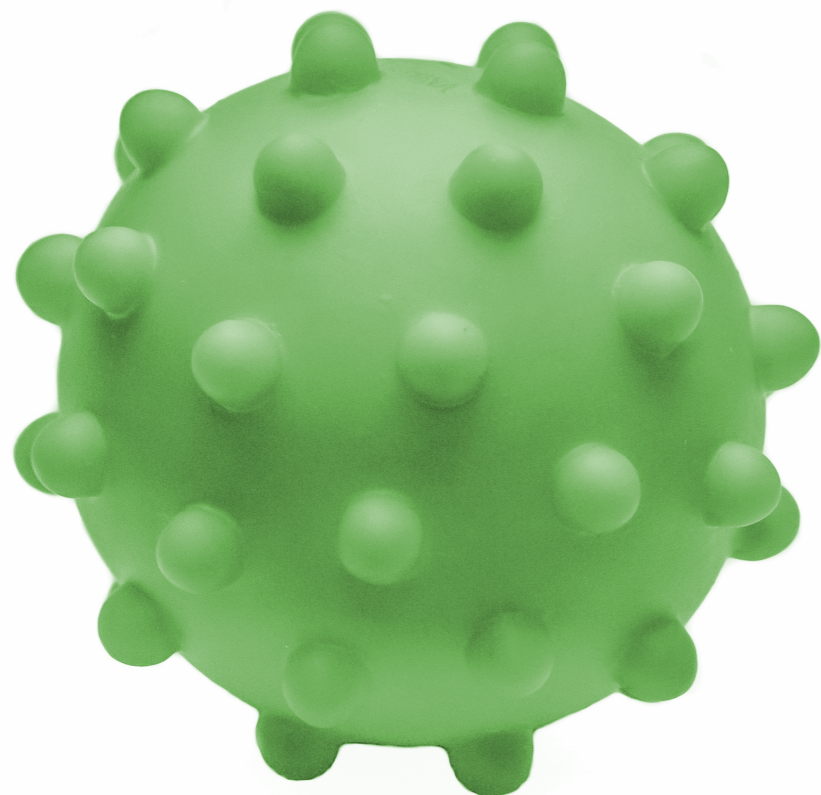




FOUR WAYS TO DESTROY CORONAVIRUS



THE ANATOMY OF THE VIRUS

Coronaviruses are a group of viruses. The specific coronavirus that causes COVID-19 is called SARS-CoV-2.



SARS-CoV-2 is a new virus, so there's currently no treatment for it. By cleaning hands and surfaces we can stop it spreading.

1

SOAP AND WATER



HANDS

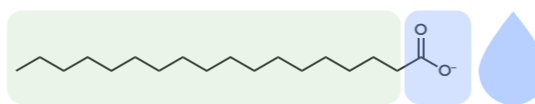


HARD SURFACES

SOAP MOLECULES



Dissolves in fats



Dissolves in water

WASH HANDS FOR A MINIMUM OF 20 SECONDS

HOW DOES IT DESTROY THE VIRUS?

Soap molecules dissolve the fatty outside layer of the virus. Any type of soap is effective, so it doesn't matter what type you use.

2

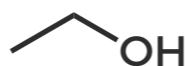
ALCOHOL HAND SANITISER



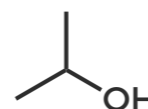
HANDS



HARD SURFACES



ETHANOL



ISOPROPANOL

MIN. 60% ALCOHOL (HANDS) OR 70% (SURFACES)

HOW DOES IT DESTROY THE VIRUS?

Alcohol molecules dissolve the fatty outside layer of the virus and damage the structures of virus proteins.

3

BLEACH SOLUTION



HANDS



HARD SURFACES

NaClO

SODIUM HYPOCHLORITE

Cl₂

Don't mix bleach with other cleaners. This can generate toxic chlorine gas.

MINIMUM CONCENTRATION OF 0.1% HYPOCHLORITE

HOW DOES IT DESTROY THE VIRUS?

Bleach oxidises and destroys virus proteins and genetic material. It should be left on surfaces for at least 10 minutes.

4

HYDROGEN PEROXIDE



HANDS



HARD SURFACES

H₂O₂

HYDROGEN PEROXIDE

Don't mix peroxide with vinegar. This makes corrosive peracetic acid.

MINIMUM CONCENTRATION OF 0.5% PEROXIDE

HOW DOES IT DESTROY THE VIRUS?

Peroxide oxidises and destroys virus proteins and genetic material. It should be left on surfaces for at least 10 minutes.

