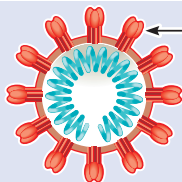
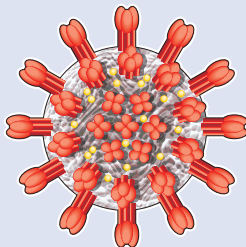


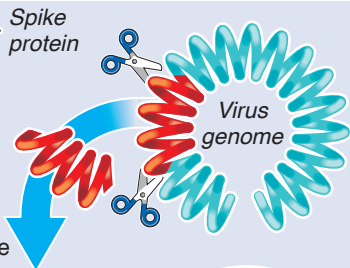
How AstraZeneca/Oxford vaccine works

The Oxford University and AstraZeneca Covid-19 vaccine can prevent up to 90% of people contracting coronavirus when it is administered as a half dose followed by a full dose at least one month apart

Sars-CoV-2



Spike protein:
Gene is cut from
Sars-CoV-2 genome



Adenovirus:

Unable to
cause
disease



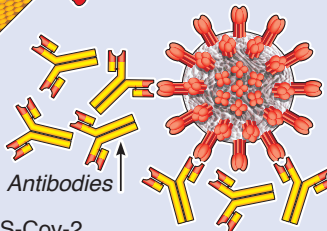
Gene: Inserted into DNA
of adenovirus which acts
as vector in vaccine

Vaccine: Induces spike
protein antigen – triggers
antibody immune response



**Human immune
system:** Produces
antibodies against
spike proteins

If infected: Immune
system attacks SARS-Cov-2



Vaccine:
Can be
stored in
refrigerator
at 2-8°C.
**Two doses
of vaccine
are required**

