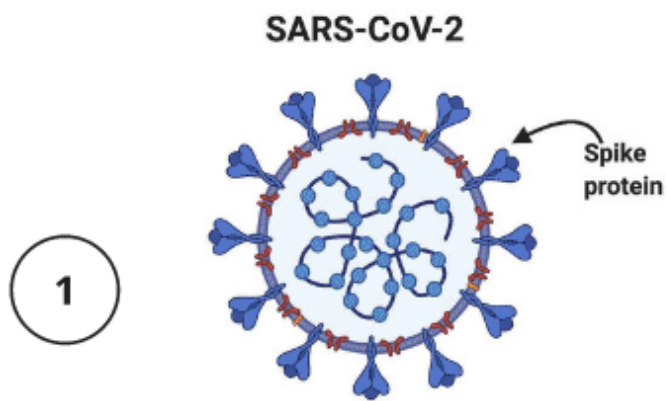
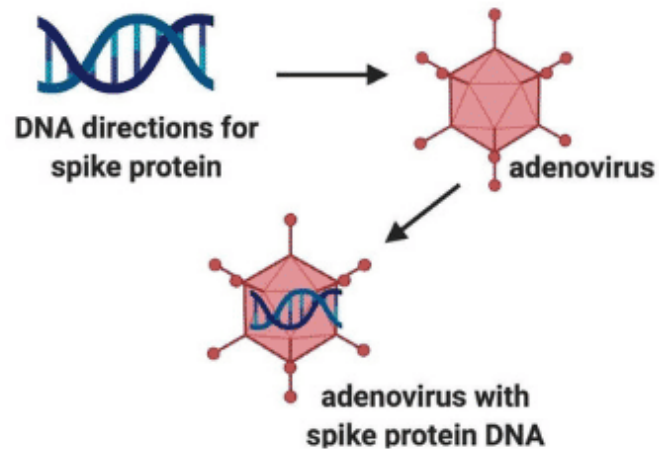


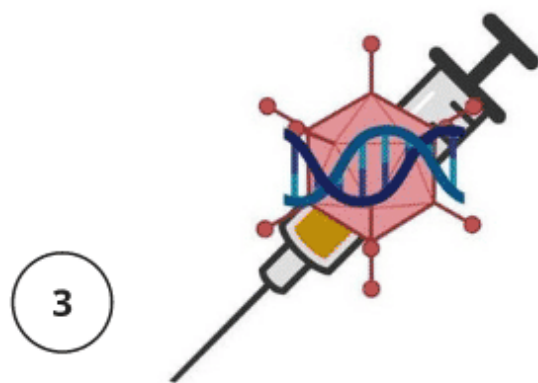
OXFORD/ASTRAZENECA + J&J/JANSSEN MECHANISM OF ACTION



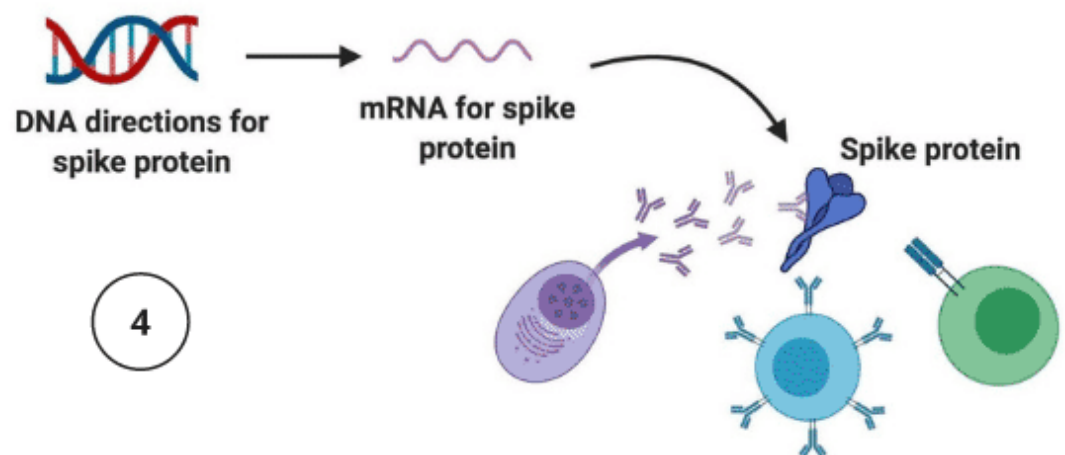
The directions to make the spike protein that is found on the surface of SARS-CoV-2 is made into a DNA sequence.



The DNA sequence for the spike protein is inserted into another virus called an adenovirus. It is a modified, weakened, non-replicating version of a common cold virus. It does not cause any permanent changes to your DNA.



The adenovirus containing the DNA that codes for the spike protein is then injected into the person.



DNA is then made into mRNA, which then instructs the cell how to make the spike protein. The body then recognizes the spike protein as foreign and launches an immune response. So later if your body comes across an actual Covid-19 spike protein, it can ramp up the immune responses quickly.