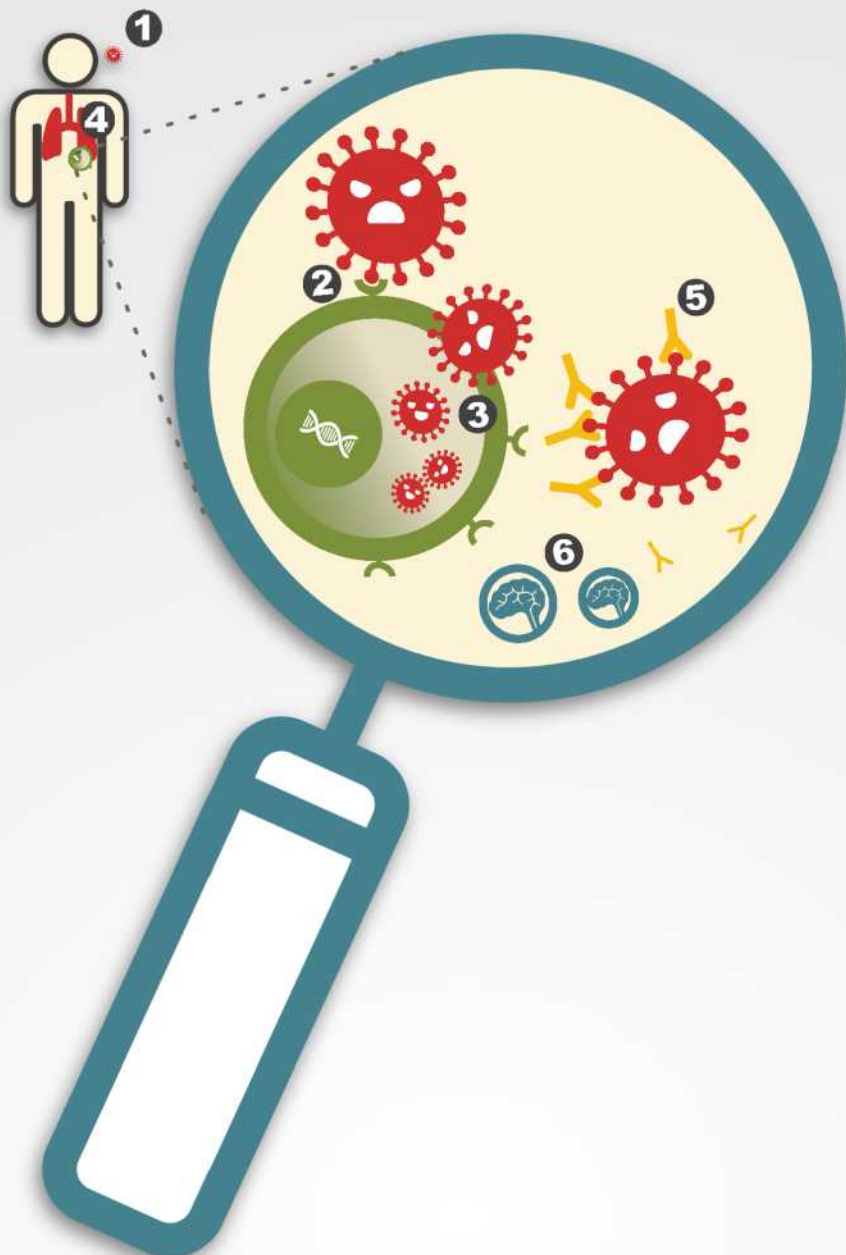




HOW DOES A CORONAVIRUS WORK?



1. CELL

Your body is made up of **cells**. They are very small.



A **virus** enters your body through your mouth or nose.

The virus attacks your **cells**.



2. VIRUS WITH SPIKES

The coronavirus has **spikes (keys)** on its surface.

Cells have **receptors (locks)** on their surface. If the key fits the lock, the virus can enter the **cell**.



3. COPIES

The virus copies itself within the **cell** and attacks more cells.



4. SICK

The **virus** attaches easily to **cells** in your nose and throat. Your body produces mucus, you develop a cough and a temperature and your muscles begin to ache. You may feel tired.

Sometimes the virus copies itself into the lungs and makes breathing difficult.



5. ANTIBODIES

Your body makes **antibodies** to make the **virus** harmless.

They make sure that the **key** no longer fits.

This takes a few days.

The virus can make you very sick.



6. MEMORY

Memory cells are also made.

If they see the same virus again at a later date, **antibodies** are produced more quickly.

You will then become less sick.

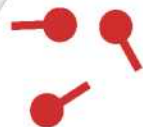


HOW DOES A CORONAVACCINE WORK?



1. TRAINING

The vaccine trains the immune system.
It teaches the body to make **antibodies** against the **coronavirus**.
It does so without ever coming into contact with the **virus**.



2. SPIKES

Spikes (keys) are produced as training material.
They are not attached to a virus. They **do not** make you **sick**.
The body reacts by making antibodies.



3. ANTIBODIES

After a few days, the **spikes** disappear.
The **antibodies**, however, remain.



4. COMPLAINTS

This training is **heavy work** for the body.
You can feel it.
You may get a mild fever or some red swelling where you got the injection.
This goes away on its own (after a day).



5. STRONGER

If you become infected with the real **virus** later, the **antibodies** will kill the **virus** immediately.
Or you will produce antibodies more quickly.

There are 3 types of vaccines:

1

RNA-VACCINE



THE INJECTION CONTAINS:
Instructions (RNA) packaged in a droplet of fat.
Our body temporarily creates harmless **spikes**. They disappear very quickly.

MANUFACTURERS:

- CureVac
- Moderna
- Pfizer Biontech

2

VECTOR VACCINE



THE INJECTION CONTAINS:
Instructions (DNA) packaged in a harmless virus.
Our body itself temporarily creates harmless **spikes**.
They disappear very quickly.

MANUFACTURERS:

- AstraZeneca & Oxford University
- Johnson & Johnson

3

TRADITIONAL VACCINE



THE INJECTION CONTAINS:
The coronavirus itself — but dead and cut into pieces. As a result, it can no longer enter the cell.

MANUFACTURERS:

Sanofi - GSK
(2022 at the earliest)