

Discover More Art & Science for Kids

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HEAL

Health. Equity.
Art. Learning.



WASHINGTON STATE
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SCIENCE EDUCATION
PARTNERSHIP AWARD

SUPPORTED BY THE NATIONAL INSTITUTES OF HEALTH

LAB SKETCHBOOK

property of: _____

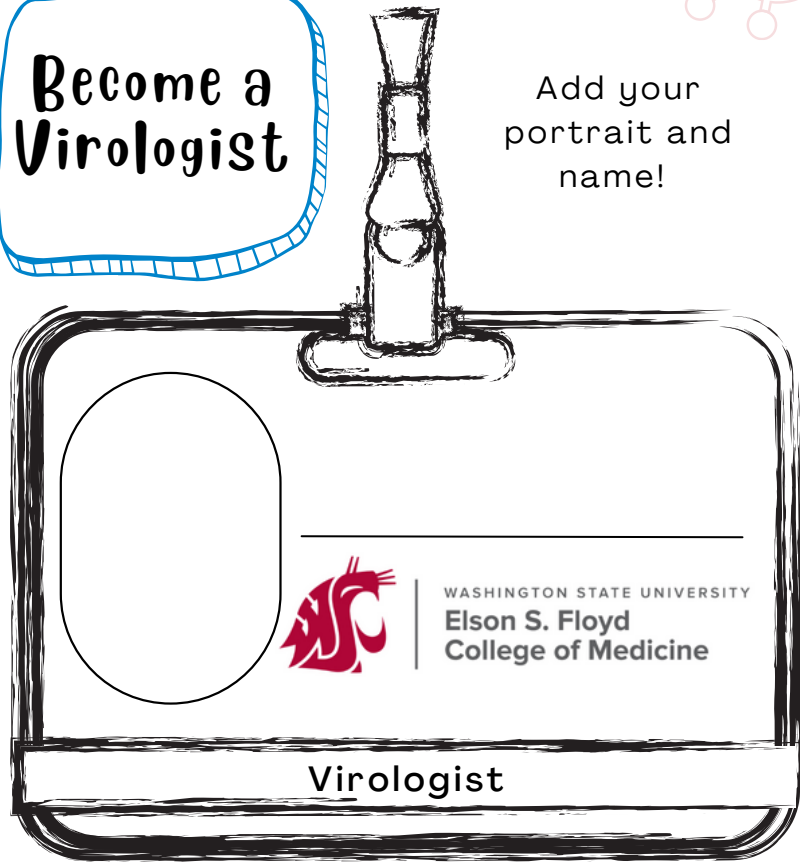


DON'T FORGET

Sculpt a cell membrane
membrane jungle and a
sticky virus before taking
virologist notes in this
sketchbook.

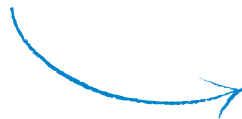
Become a Virologist

Add your portrait and name!



A **virologist** is a scientist that studies viruses and works to stop them from spreading.

Connect the dots on the next page to learn more!

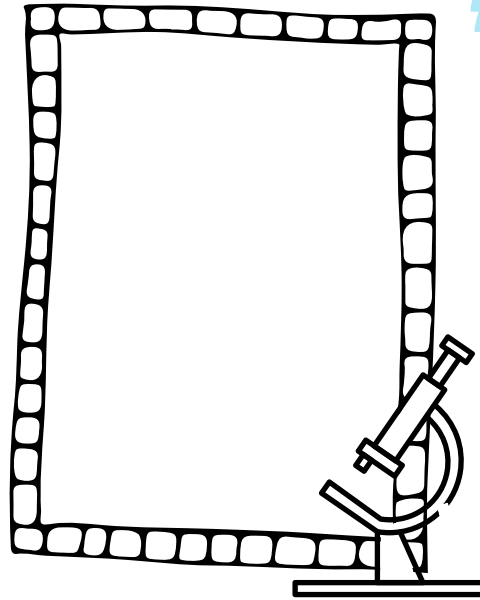


VIROLOGIST FILES



Looks Like

How it Moves



Effects

How to Stay Safe

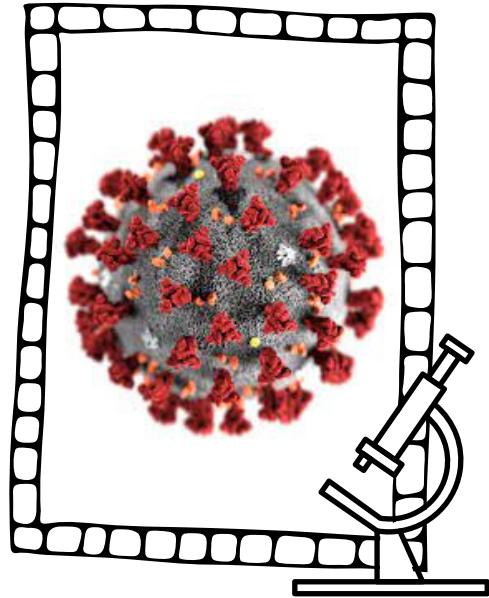




Virologists Can...



Looks Like



How it Moves

virus travels through air from the breath or cough of a sick person



gets inside another person's nose or throat by breathing it in



Effects

It can feel like a cold or flu, sometimes mild and sometimes really bad with a cough, fever, aches and low energy. Some people lose their sense of taste or smell, and others need help at a hospital or may pass away from it.

How to Stay Safe

Get vaccinated. Wash your hands often. If COVID is moving around town, wear a mask, especially in crowded places.



- Work as a doctor in a hospital to help sick people.



- Study viruses in nature to learn how they spread and affect plants and animals.



- Study viruses and create medicines, like vaccines, in a lab.



- Share information with leaders and help make important safety decisions.

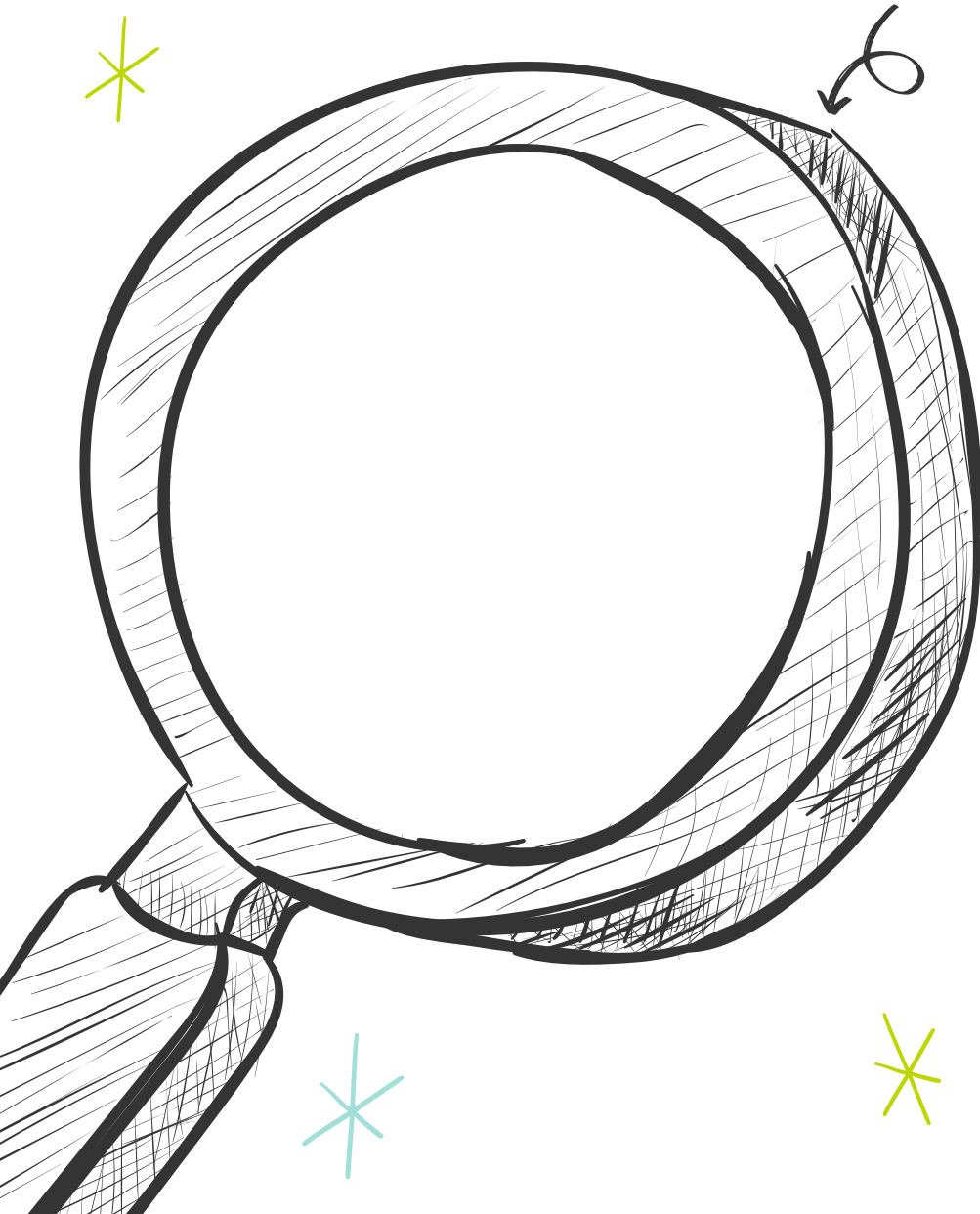


LET'S ZOOM IN

Look closely at the virus and cell membrane you sculpted.

How does your virus stick to the membrane?

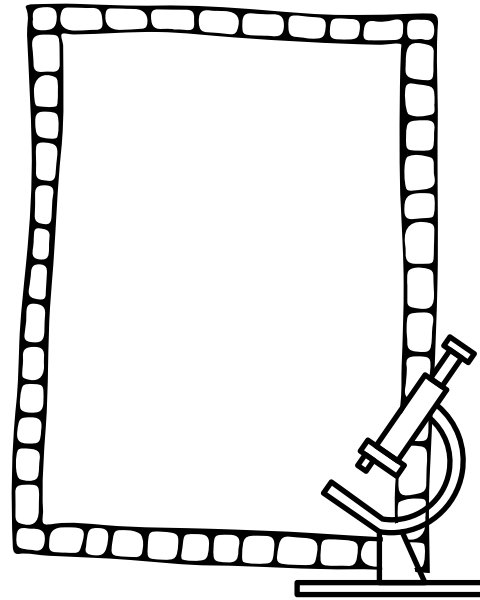
Draw the details you see.



VIROLOGIST FILES

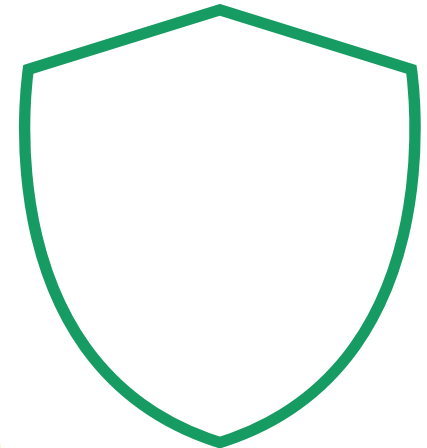
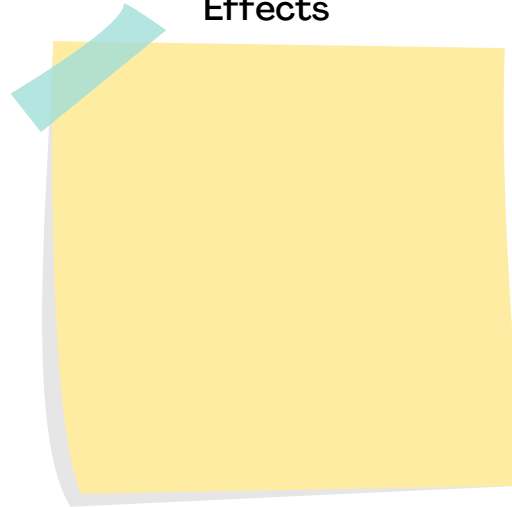


Looks Like



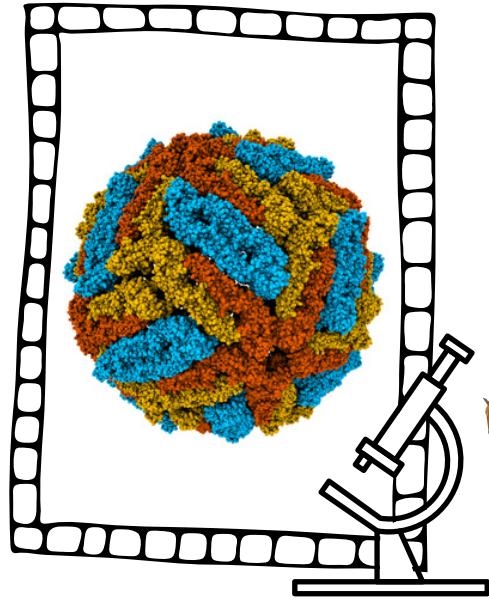
How to Stay Safe

Effects

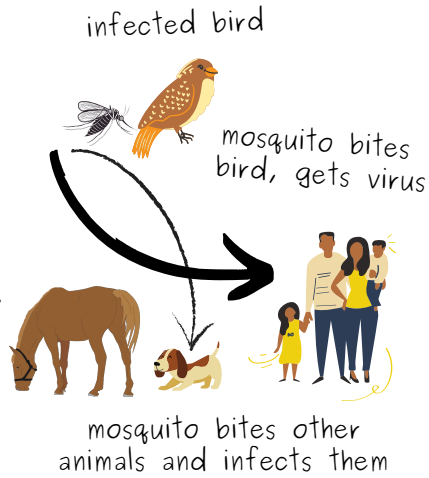


A REAL WORLD VIRUS

Looks Like



How it Moves



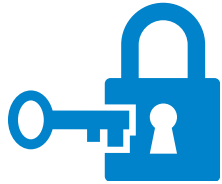
Effects

Most people don't get sick, but some get a fever, body aches, diarrhea or worse. It can be very deadly to horses, 1 in 3 die (there's a vaccine for horses). Dogs may have fever, seizures and more issues.

How to Stay Safe

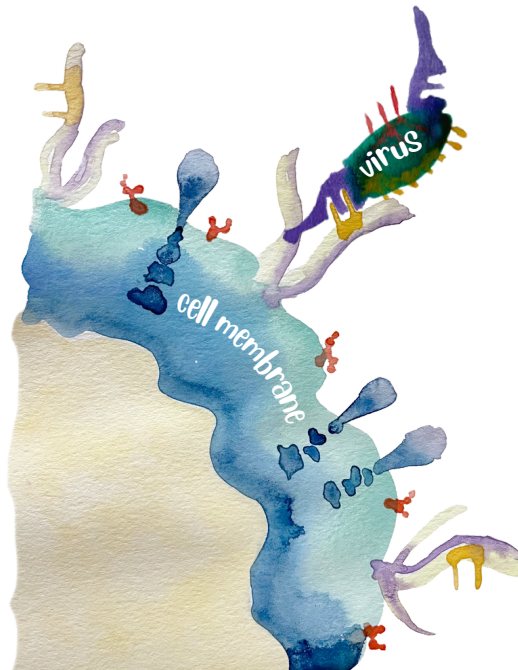
No vaccine for people, yet! Protect yourself from mosquito bites with bug spray and long-sleeved clothes.

LOCK & KEY!



Like the virus you designed, a real virus must stick to part of a cell's membrane (a receptor site), like a key in a lock, to attack it.

Design and draw more viruses on this page that connect to the membrane's receptor sites below!



Look closely at the shape of the viruses and body cells below.



How do viruses change to better attack cells?

Can you figure out the lock and key matches?

Viruses

Body Cells

