

MONKEYPOX VIRUS

BY MANOMAY AND RAGHAV



INDEX

- * INTRODUCTION
- * HISTORY
- * PREVENTIVE MEASURES
- * WAYS TO STOP SPREADING IT





INTRODUCTION

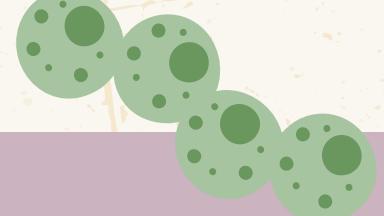
MPOX IS AN INFECTIOUS VIRAL DISEASE THAT CAN OCCUR IN HUMANS AND OTHER ANIMALS. AND IS CAUSED BY MONKEYPOX OR MPOX VIRUS.

WHAT ARE THE SYMPTOMS OF IT ?

SYMPTOMS



SYMPTOMS INCLUDE A RASH THAT FORMS BLISTERS AND THEN CRUSTS OVER, AND SWOLLEN LYMPH NODES.



HIGH FEVER, COLD AND VOMITING



MUSCLE AND BODY ACHE,
SWOLLEN THROAT

SYMPTOMS

MAIN SYMPTOMS



RASHES



BODY PAIN



FEVER



HEAT BLISTERS

HOW DO VIRUS SPREAD?

DIRECT CONTACT

INVOLVES PHYSICAL
INTERACTION WITH
INFECTED INDIVIDUALS,
SUCH AS THROUGH BLOOD
OR BODILY FLUIDS

INDIRECT CONTACT

INVOLVES EXPOSURE
TO PATHOGENS VIA
CONTAMINATED SURFACES,
FOOD, SOIL OR AIR

VECTOR

REQUIRES ORGANISMS
TO SPREAD DISEASES,
SUCH AS MOSQUITOS, MICE
AND TICKS

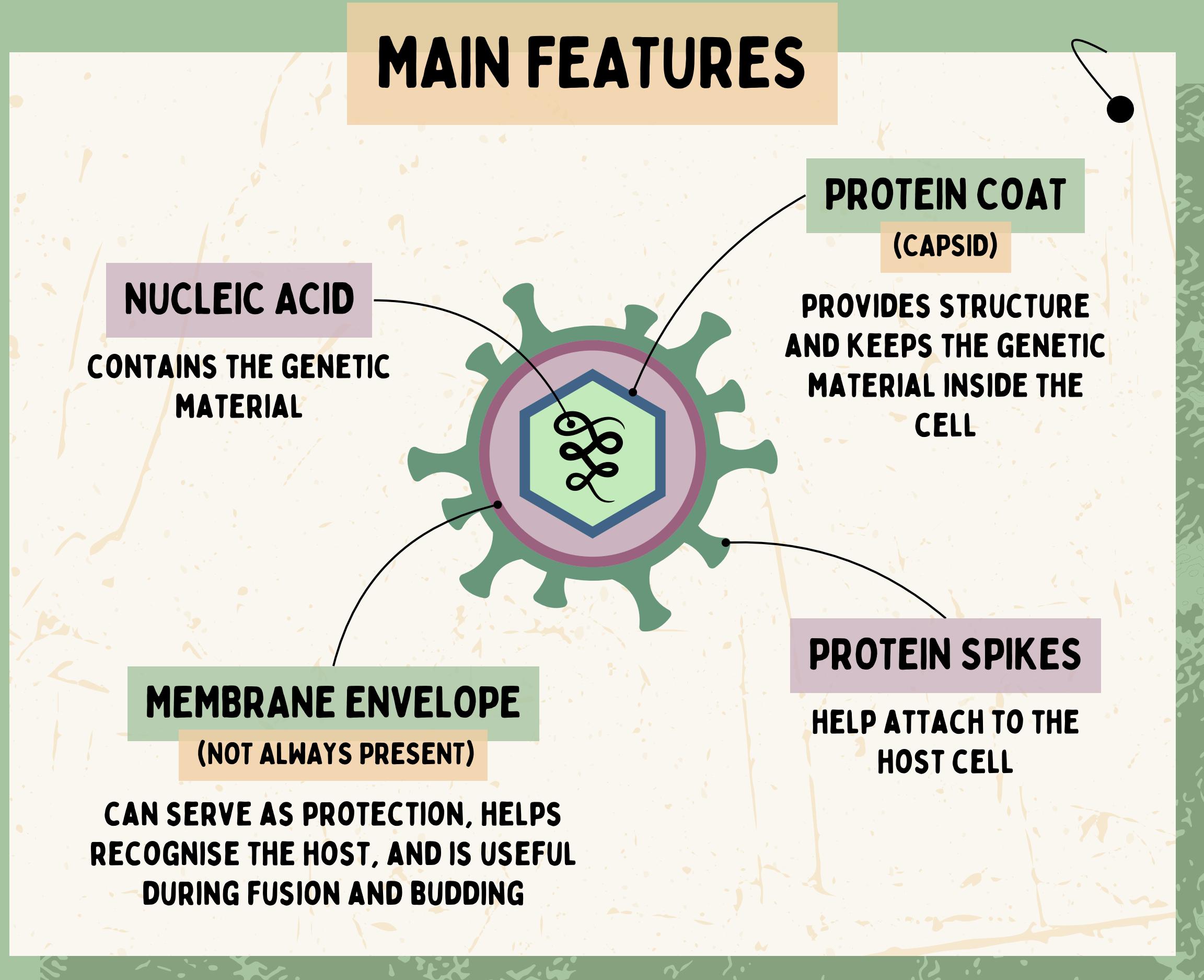


VIRUS

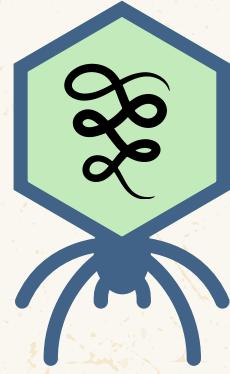
IT IS A PATHOGEN THAT CAN ONLY REPLICATE WITHIN A HOST ORGANISM.

VIRUS GENOMES ARE ALSO DIVERSE, RANGING FROM RNA TO DNA, SINGLE- OR DOUBLE-STRANDED, LINEAR OR CIRCULAR, WITH VARYING LENGTHS AND NUMBERS OF MOLECULES.

MAIN FEATURES

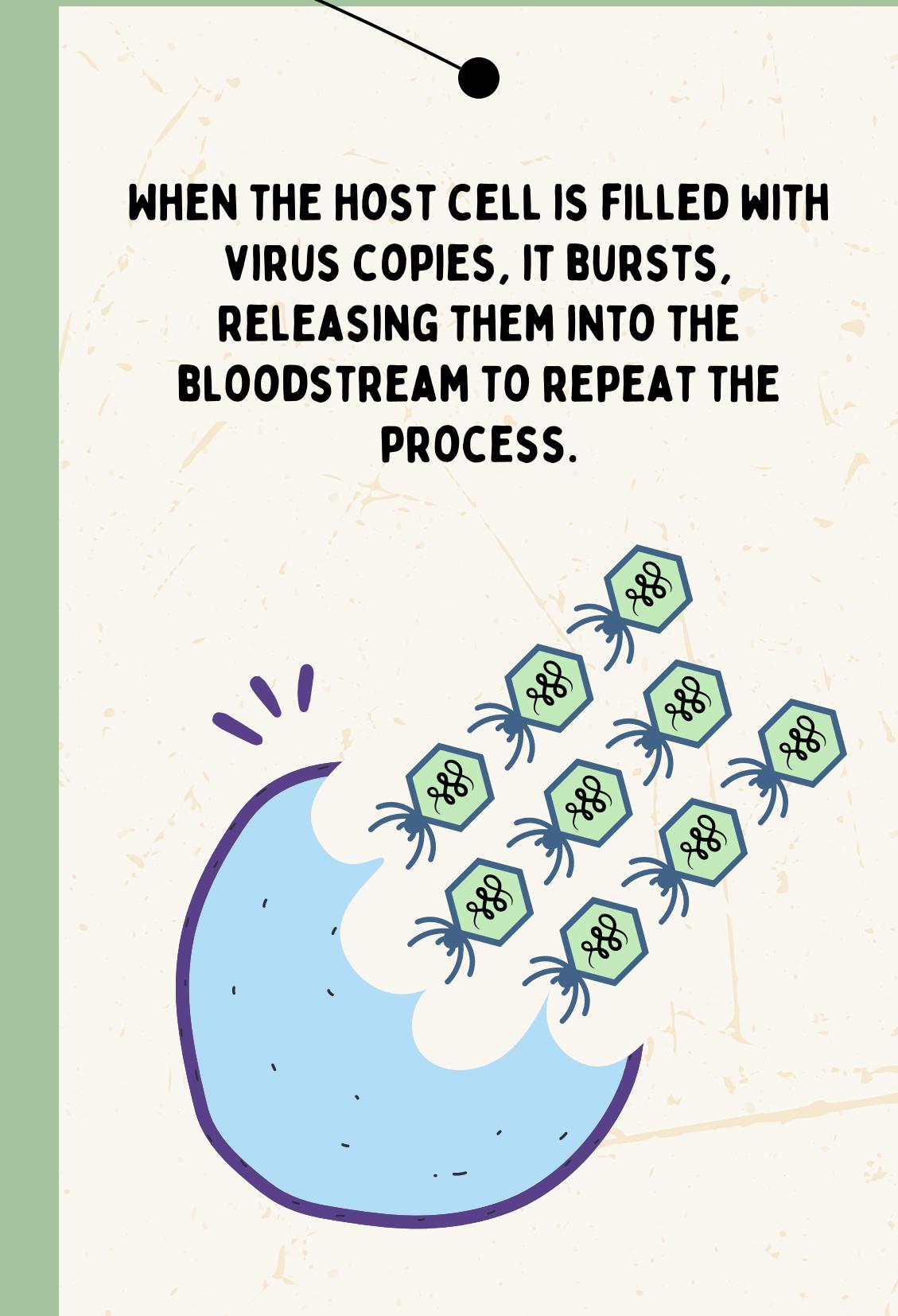
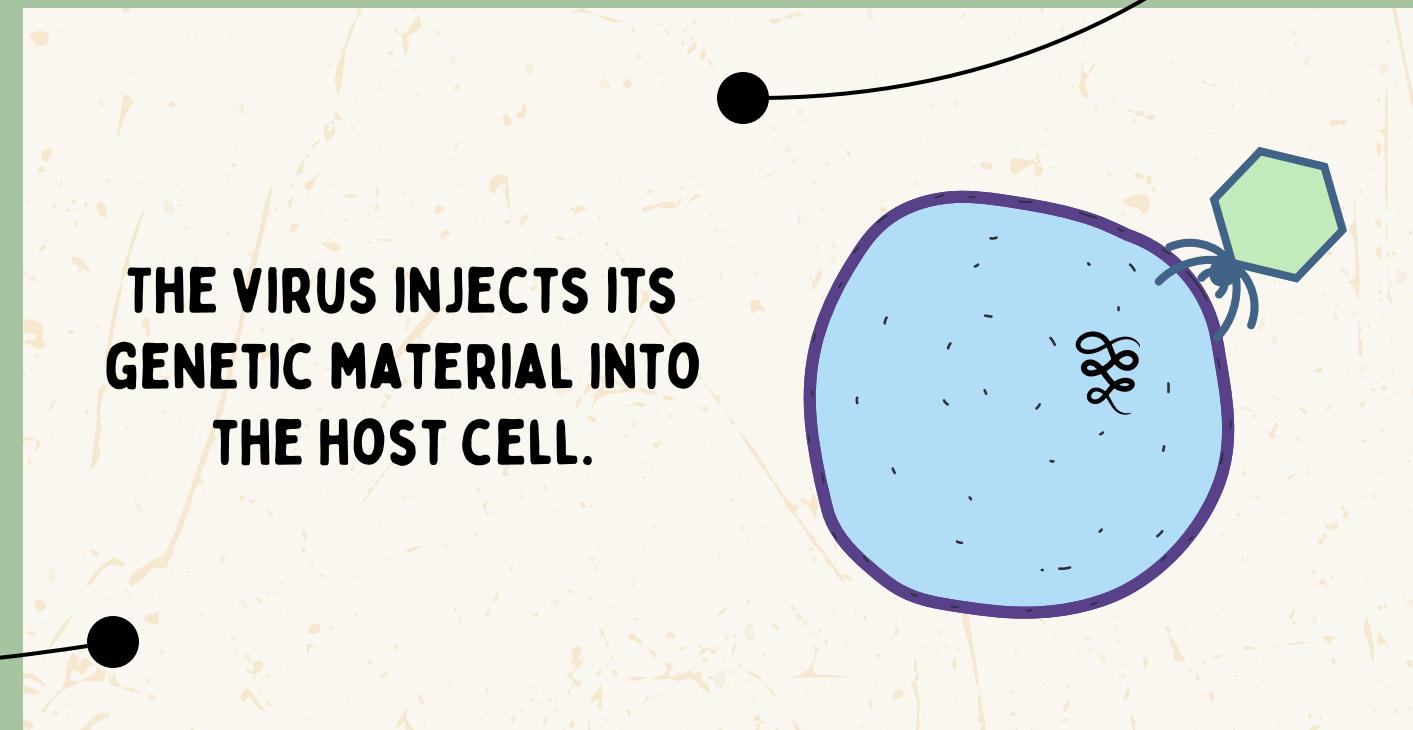


HOW DO VIRUSES REPLICATE?



THE VIRUS INVADES THE HOST CELL.

THE VIRUS INJECTS ITS GENETIC MATERIAL INTO THE HOST CELL.



HISTORY



THE DISEASE MONKEYPOX WAS ORIGINALLY NAMED AFTER THE CAPTIVE MONKEYS IN WHICH THE VIRUS WAS FIRST DISCOVERED IN 1958. HOWEVER, THE NAME WAS LATER CRITICIZED BECAUSE:

- #. MONKEYS ARE NOT THE MAIN HOST OF THE VIRUS
- #. THE NAME REINFORCED RACISM AND STIGMA ABOUT AFRICAN COUNTRIES.
- #. THE NAME COULD HAVE A NEGATIVE IMPACT ON TRADE, TRAVEL, TOURISM, OR ANIMAL WELFARE

IN NOVEMBER 2022, THE WORLD HEALTH ORGANIZATION (WHO) ANNOUNCED THAT IT WOULD ADOPT THE TERM MPOX IN ITS COMMUNICATIONS.

PREVENTIVE MEASURES

THERE IS NO PROVEN TREATMENT FOR MONKEYPOX (MPOX)

BUT THERE ARE WAYS TO HELP MANAGE SYMPTOMS AND PREVENT COMPLICATIONS:
SUPPORTIVE CARE
STAY HOME AND ISOLATE YOURSELF
PAIN RELIEVERS AND FEVER REDUCERS
OATMEAL BATHS
RESTING
DRINKING PLENTY OF FLUIDS LIKE WATER, ORS
EATING WELL



WAYS TO STOP SPREADING OF MPOX



* GET VACCINATED

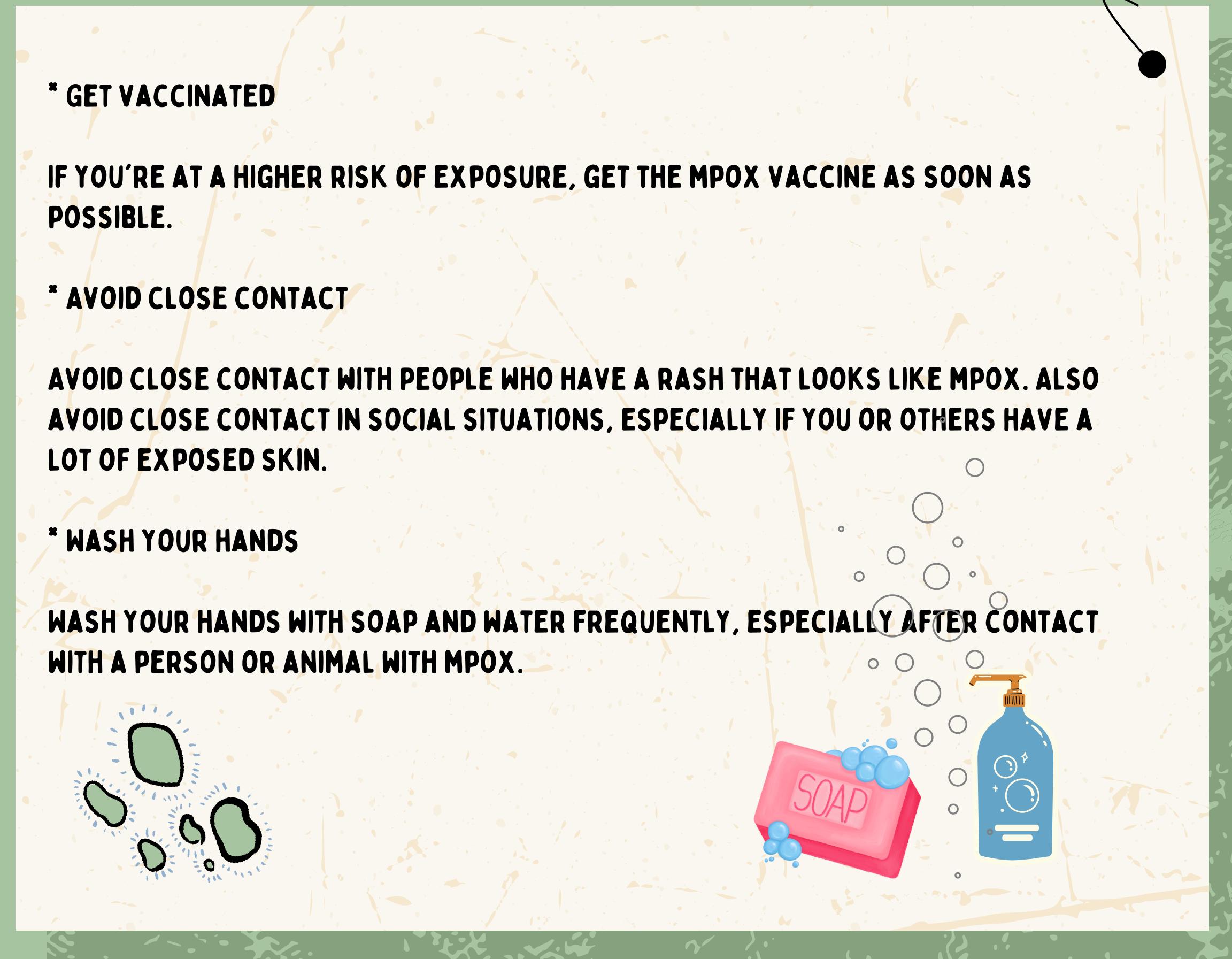
IF YOU'RE AT A HIGHER RISK OF EXPOSURE, GET THE MPOX VACCINE AS SOON AS POSSIBLE.

* AVOID CLOSE CONTACT

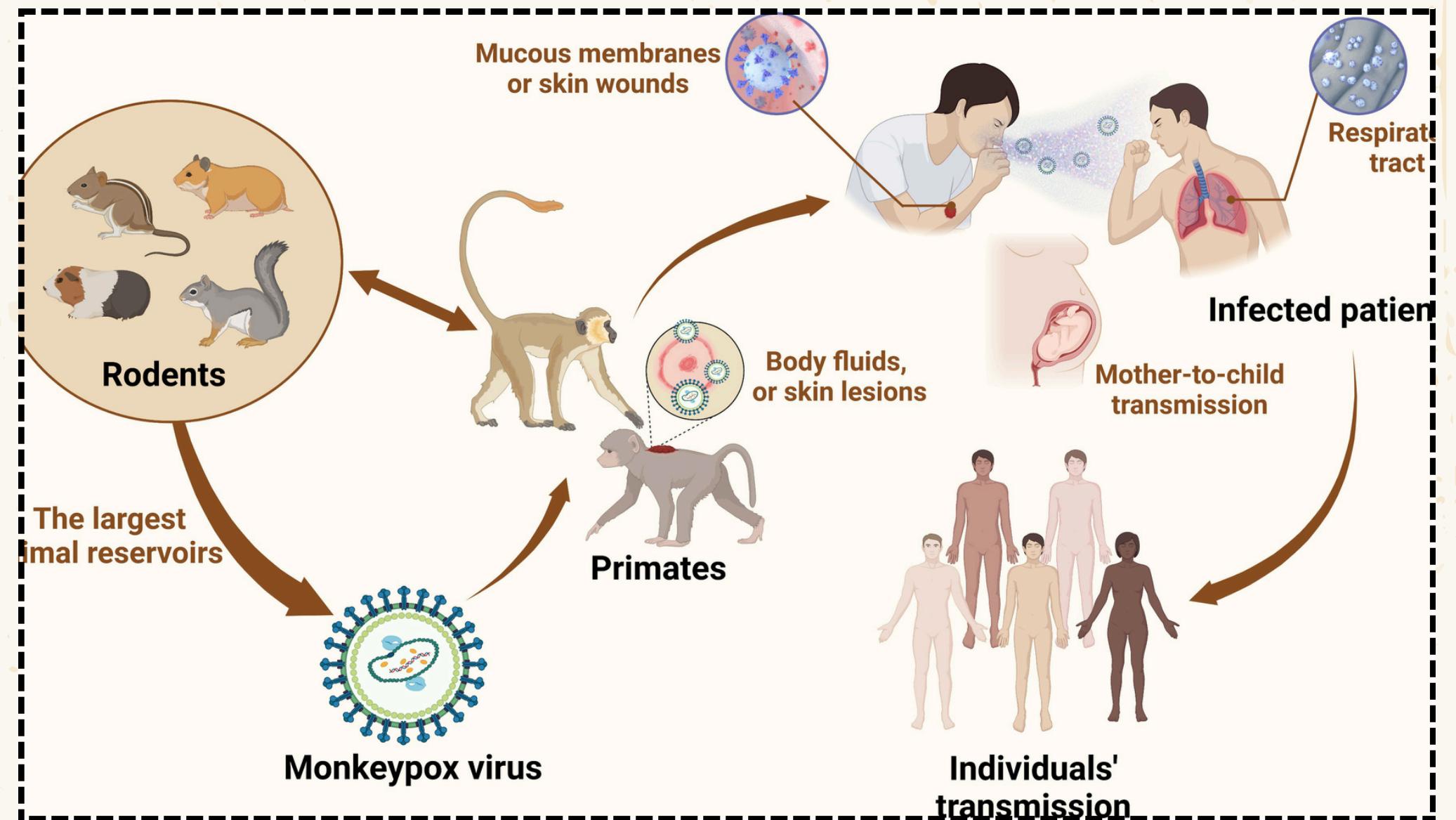
AVOID CLOSE CONTACT WITH PEOPLE WHO HAVE A RASH THAT LOOKS LIKE MPOX. ALSO AVOID CLOSE CONTACT IN SOCIAL SITUATIONS, ESPECIALLY IF YOU OR OTHERS HAVE A LOT OF EXPOSED SKIN.

* WASH YOUR HANDS

WASH YOUR HANDS WITH SOAP AND WATER FREQUENTLY, ESPECIALLY AFTER CONTACT WITH A PERSON OR ANIMAL WITH MPOX.



TRANSMISSION CYCLE OF MPOX VIRUS





THANK YOU.....