THE SCIENCE OF MEDICINES

D-BUG FUN FACTS!

DEADLY LOOKS

Basic **parts of a virus** are a core of **genetic code,** either DNA (**D**eoxyribo**N**ucleic **A**cid) or RNA (**R**ibo**N**ucleic **A**cid), surrounded by a protective protein coat called a **capsid**. Some viruses also have an outer **envelope** made from lipids (fats) and **proteins**.

To enter a cell, proteins on the surface of the virus must match and attach to receptor proteins on the outside of the cell, just like a key in a lock.

Use these anatomical parts of a virus to create your very own!

ENVELOPE

The 'skin' of the virus made of lipids (fats)

SPIKE PROTEINS

Viruses use these to attach to our cells

CAPSID

Protein 'shell' that encases the DNA/RNA

DNA/RNA

Genetic material of the virus

INFLUENZA VIRUS

DOGE ENVELOPE

The 'skin' of the Doge virus

EAR PROTEINS

Help Doge virus attach to cells

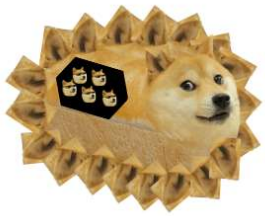
DOGE DNA DEN

Houses Doge DNA

DOGE DNA

Genetic material of the Doge virus

DOGE VIRUS



HUMANOID ENVELOPE

The 'skin' of the Humanoid virus

GLOVE PROTEINS

Help the Humanoid virus attach to cells

HUMANOID

Human shell that holds the DNA tie

GENETIC TIE

Genetic material of the Humanoid virus

HUMANOID VIRUS

CURIOUS MINDS HE HIHIRI I TE MAHARA

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