

The structure of viruses and pathogenesis of infections caused by viruses.

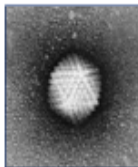
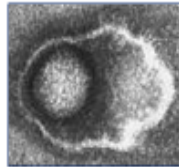
Size of viruses range from to..... nm that is why we can observe them only in microscopes.


Virus particle consist of


Genome Nucleic acid: or Form of nucleic acid:	Envelope consist of: Role	Capsid consist of: Shape/symmetry: Role	Virus receptor Role
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Viruses are divided into:

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LIFE CYCLE /viral replication consists of the following cycles:

1.

2.

3.

4.

5.

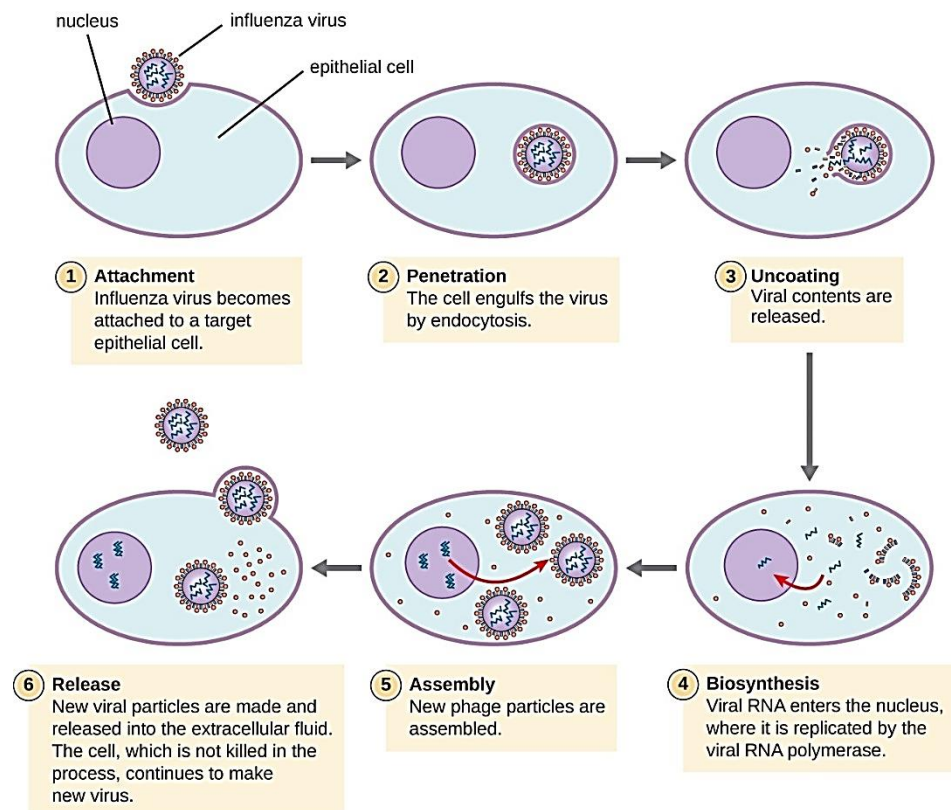
6.

Notes:

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Pathogenicity of viruses for cells

1.

2.

3.

4.

5.

Types of viral infections at the cellular level

1. Abortive infection:

2. Productive infection: a)

b)

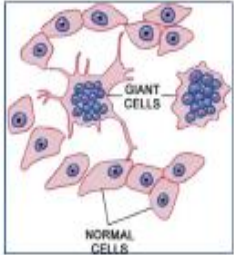
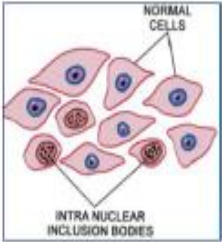
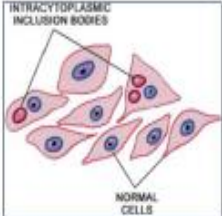
3. Non-productive infection:

Latent:

Transformation:

Notes:

CYTOPATHIC EFFECTS of Viruses



Viral pathogenesis

Infection vs disease



• Disease:

• Infection:

Virus transmission
Routes:

Stages of viral infection: