

Keywords and Phrases for Concept Map for Viral Structure

Are structurally more complex than typical nucleocapsid or enveloped viruses and may possess a unique tail structure

Capsid

Codes for the synthesis of viral components and viral enzymes for replication

Derived from host cell membranes by a process called budding

Enveloped viruses

Envelope glycoproteins attach the virus to receptors on susceptible host cell

Found within the endosomes of phagocytic cells

Genome

Nucleocapsid or naked virus

Project out from the capsid and bind the virus to susceptible host cells

Single-stranded or double-stranded DNA or RNA

Type-I interferons

Unmethylated cytosine-guanine dinucleotide sequences; double-stranded viral RNA; single-stranded viral RNA

Usually composed of protein subunits called capsomeres