Few important questions:

What is the taxonomic position of virus?

Ans: Viruses occupy a special taxonomic position: they are not plants, animals, or Prokaryotic bacteria, they have a separate kingdom for their own.

Is virus an organism?

Ans: viruses should not even be considered organisms, in the strictest sense, because they are not free-living—i.e., they cannot reproduce and carry-on metabolic processes without a host cell.

What is the genetic material of virus?

Ans: All true viruses contain nucleic acid DNA (deoxyribonucleic acid) or RNA (ribonucleic acid)—and Protein. The nucleic acid encodes the genetic information unique for each virus.

What is Virion?

Ans: The infective, extracellular (outside the cell) form of a virus is called the Virion.

What is a capsid?

Ans: In virtually all viruses, at least one of these proteins forms a shell (called a capsid) around the nucleic acid. Certain viruses also have other proteins internal to the capsid; some of these proteins act as enzyme often during the synthesis of viral nucleic acids.

What is Viroid’s?

Viroid’s (meaning “virus like”) are disease-causing organisms that contain only nucleic acid and have no structural proteins.

What are Prions?

Virus like particles called Prions are composed primarily of a protein tightly complexed with a small nucleic acid molecule. Prions are very resistant to inactivation and appear to cause degenerative brain disease in mammals, including humans.