

**Source:** [KBhBIO101Diseases](#)

# 1 | Viruses

Definition 1 · **Viruses** Acellular Macromolecular Assemblies

Viruses...

- ...contain protein coat called capsid
- ...use DNA or RNA, but not both
- ...are obligate parasites that could only replicate within host

Assembled and mature viral particles => virions. They usually have three different parts

1. Capsid — the protein coat
2. Genetic material — what they are transmitting/replicating
3. Occasionally outside lipid layer

=> Viruses exist on the nanometre scale, but they are difference in shape and size

## 1.1 | Structure of Viruses