

Source: [KBhBIO101Viruses](#)

1 | Types of Viruses

1.1 | Categorizing based on infection target

1.1.1 | Prokaryotic infecting viruses

- Variety of shapes
- Complex and prolate shapes
- Has, sometimes complex shapes! a la this image
- Usually transmits using the DNA

1.1.2 | Eukaryotic infecting viruses

- Much more “boring” in terms of shape
- Icosahedral/spherical outside
- Enveloped constructions => envelope protein layer outside, spherical inside
- Helical/Cylindrical/Bullet shapes, too!
- Often single patterns assemble together to create symmetric shape that creates the whole of the virus
- Usually transmits using the RNA

1.2 | Categorizing based on genetic code

1.2.1 | DNA Viruses

- “Legacy support” viruses
- **DNA** viruses are “less complex”, in that as long as they are able to get into the nucleus, the rest would just be the body’s work automatically.
- They are c

RNA viruses are considered to be the “next-gen” viruses because they infect much more easily as they do not require the process of transcription.