

Chapter 18 Virus

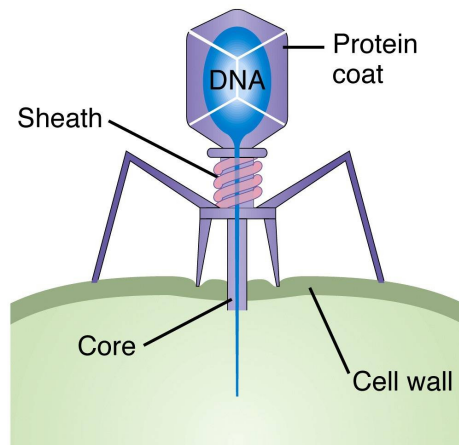
What is a virus?

- _____: any living organism or particle that causes _____

- **Viruses** are _____ that cause disease;

3 parts of a Virus

- 1.
- 2.
- 3.



Other particles that cause disease:

- _____: viruses that contain _____ and produce their own DNA (some types of _____ & _____)

- _____: particle that causes disease in _____

- _____: particle that causes disease by causing _____ in the infected organism to fold incorrectly; only made of protein. Always _____

<i>Are Viruses ALIVE?</i>	
Viruses	Living Cell
No life _____: no growth/development, no use of energy, no response to environment, etc.	Carries out all _____.
Reproduction _____ a host cell to carry out	_____ does not require the use of a host cell
Structurally, only made up of a _____ surrounding a nucleic acid	Cellular _____ with parts of a cell

What do different viruses have in common?

1. Very _____

2. Structure/_____

*The _____ & _____ of a virus determines what kind of host it infects and how it infects that host.

Bacteriophage

- Viruses that infect _____
- Enter a bacteria cell by injecting their _____ material into the cell

How do viruses enter our bodies?

- _____
- Mouth, _____, genital area, _____, ears
- Some viral diseases can spread _____ causing an _____: rapid _____ of infection that affects many _____

How are virus-caused illnesses prevented?

- _____
 - The injection of a _____ or _____ that produces immunity (_____) in the body against that _____.
 - Stimulate the _____ to recognize and destroy _____

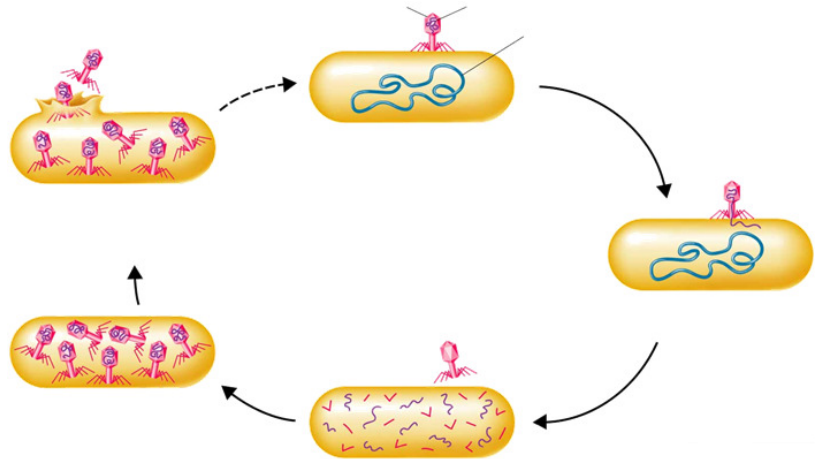
VIRUS REPLICATION

How do viruses infect a cell?

1. _____ Infection Cycle

3 things happen:

1. A virus enters a _____
2. Makes _____ of itself
3. Causes the cell to _____



2. _____ Infection Cycle

- Viral DNA enters a _____ cell and inserts itself into the host's _____
- Just sits there until a _____ makes it go into the _____
 - (cold sores, HIV)
- This may take _____ so every time the cell divides the virus _____.
- The viral DNA that is _____ in the host's DNA is called a _____.

