ADVANCED BIOLOGY: VIRUSES

(USE CHAPTER 19 AS A RESOURCE)

A VIRUS CONSISTS OF A NUCLEIC ACID SURROUNDED BY A PROTEIN COAT



1. Viral Genomes
2. Capsids and Envelopes

VIRUSES REPLICATE ONLY IN HOST CELLS

Host Range



1. General Features of Viral Replicative Cycle
2. Replicative Cycles of Phages
3. They Lytic Cycle



1. Virulent phage
2. Restriction Enzymes
3. The Lysogenic Cycle



1. Temperate phage
2. Prophage
3. Replicative Cycle of Animal Viruses
4. Viral Envelopes

 

1. RNA as a Viral Genetic Material
2. Retroviruses
3. Reverse Transcriptase
4. HIV and AIDs
5. Provirus



1. Evolution of Viruses

VIRUSES ARE FORMIDABLE PATHOGENS IN ANIMALS AND PLANTS

1. Viral Diseases in Animals
2. Emerging Viruses
3. Viral Diseases in Plants