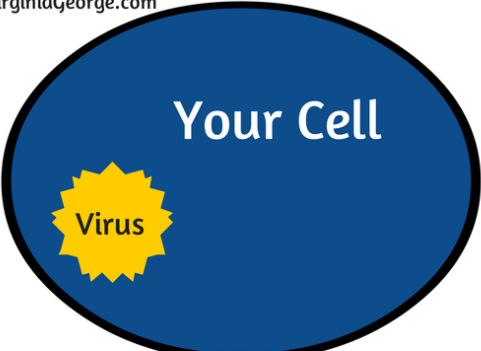


Viral Structure and How They Compare to Bacteria Cells

VirginiaGeorge.com



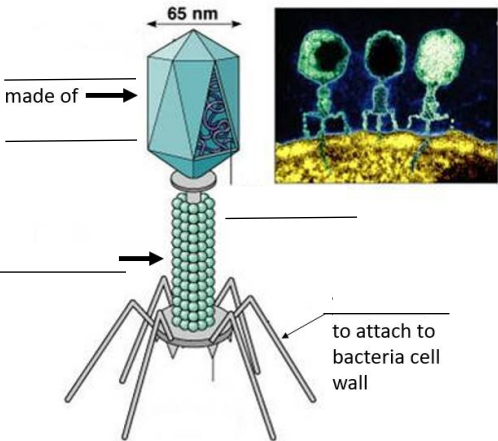
Bacteria

US

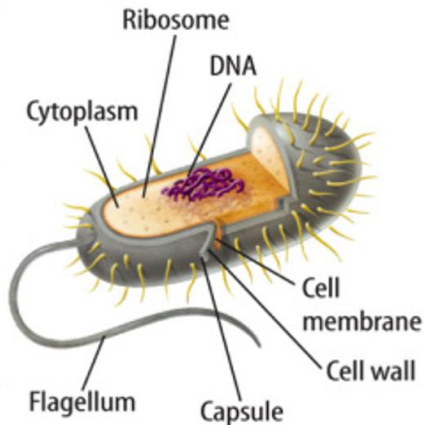
Virus

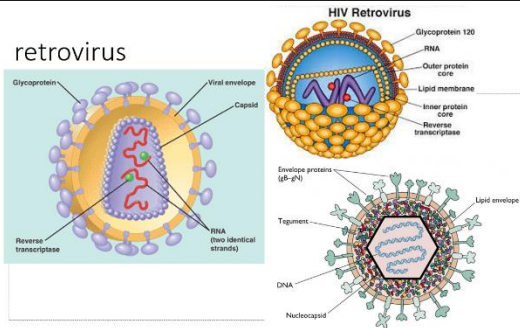
What's the Difference?

- A bacterium is a single celled organism that attacks other cells. It cannot penetrate the cell membrane and remains in the bloodstream.
- A virus is not a cell, but a particle that enters and infects a healthy cell.



(a) A T-even bacteriophage



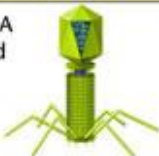



Bacteria

- Made of cells
- be killed by antibiotics
- Examples of disease caused by bacteria is strep throat

Virus

- Not made of cells
- MUCH SMALLER THAN CELLS
- be killed by antibiotics
- Example of diseases caused by viruses are AIDS (HIV). Smallpox,

Viruses and Cells		
Characteristic	Virus	Cell
Structure	DNA or RNA core, capsid 	Cell membrane, cytoplasm; eukaryotes also contain nucleus and organelles 
Reproduction		independent cell division either asexually or sexually
Genetic Code		
Growth and Development		yes; in multicellular organisms, cells increase in number and differentiate
Obtain and Use Energy		
Response to Environment		
Change Over Time		