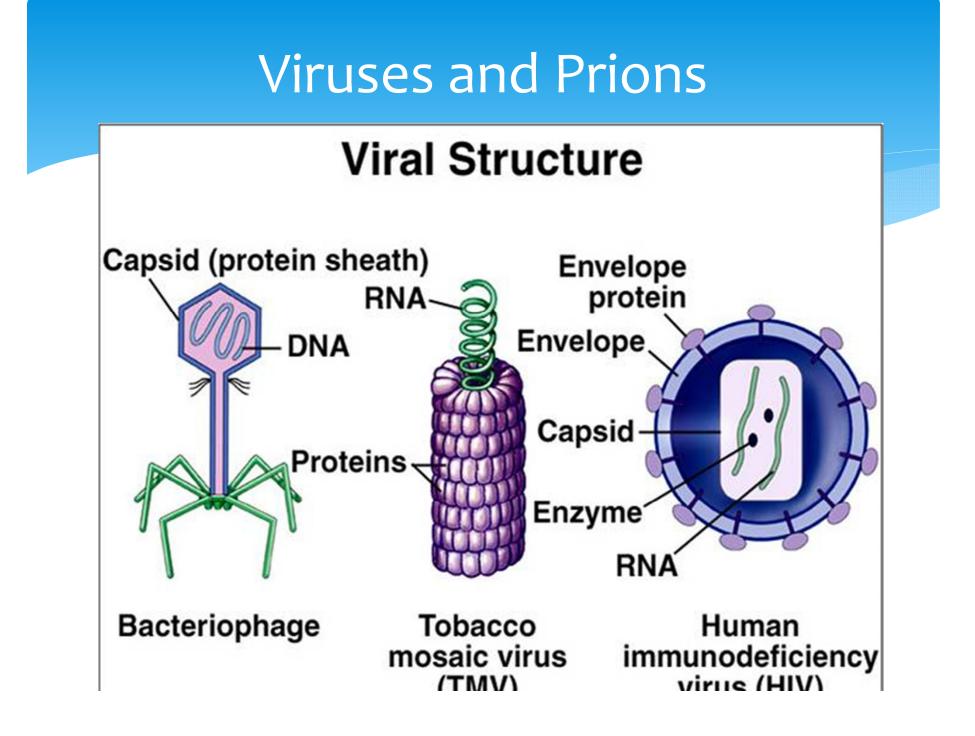
- <u>Virus</u> nonliving strand of material with a protein coat
- * Some are harmful, some are not
- * They do not exhibit all 8 characteristics of life
 - * No organelles
 - * Cannot take in nutrients or use energy
 - * Cannot move
 - * Cannot replicate on their own

AIDS (HIV)	Herpes	Measles	Mumps	Chicken pox
Common cold	Influenza	Warts	Shingles	Gastroenteritis
Polio	Viral meningitis	Rabies	Smallpox	hepatitis

* Virus Size

- * Electron microscopes needed because they are so small
- * 10,000 cold viruses would fit on this sentence
- * Virus Origin
 - * Not actually known just theories
 - Evolved from parts of cells
 - * Genetic material is similar to cellular genes

- Outer layer of all viruses is made of protein called a <u>capsid</u>
 - * Contains the genetic material either DNA or RNA
- * Classified by type of DNA or RNA they contain
 - * Smallpox is a DNA virus
 - * Replicates using DNA, not RNA



- * <u>Prion</u> protein that can cause infection or disease
- * Not well understood until 1982
- * Normally exist in our cells and shaped like a coil
- * Mutations in genes make the coil to be misshapen
- * The misshapen protein then infects the host with a priondisease
 - Mad cow disease
 - Creutzfeldt-Jakob disease
 - * Scrapie in sheep
 - * Chronic wasting disease in deer

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