

You are going to create a virus poster and corresponding model. All text should be word processed and all pictures computer generated. You must clear your virus with me before proceeding. The following things will be graded:

Virus Poster

Classification of virus	scientific name and virus family
Disease caused	name of disease
Proteins	names and functions of both capsid and non-capsid proteins
Labeled Diagram	make sure it <u>matches</u> your model
Host	picture ; besides humans, does it infect any other organisms? What body systems does it infect?
Mode of infection	picture . How does that virus get into the body and into the specific system? What vector does it use to get from host to host?
Signs and Symptoms	picture ; at least 5; Tell how the system attacked malfunctions.
Cure and/or Prevention	picture

Virus Model

Capsid Proteins	model should show names if applicable and repeating subunits
Non-capsid proteins	where are they found? What do they do? Names?
nucleic acid	DNA or RNA? Single stranded or double stranded? Include in model
labels	Model should be clearly labeled
envelope	is there an envelope or spikes, or other outer covering?
misc.	varies depending on virus chosen, model must match poster
sturdiness & aesthetic appeal	

Some websites on virus structure that may help you are:

Molecular Expressions:

<http://micro.magnet.fsu.edu/cells/virus.html>

Principles of Virus Architecture:

<http://web.uct.ac.za/depts/mmi/stannard/virarch.html>

Picture Book of Viruses:

http://www.virology.net/Big_Virology/BVFamilyGenome.html

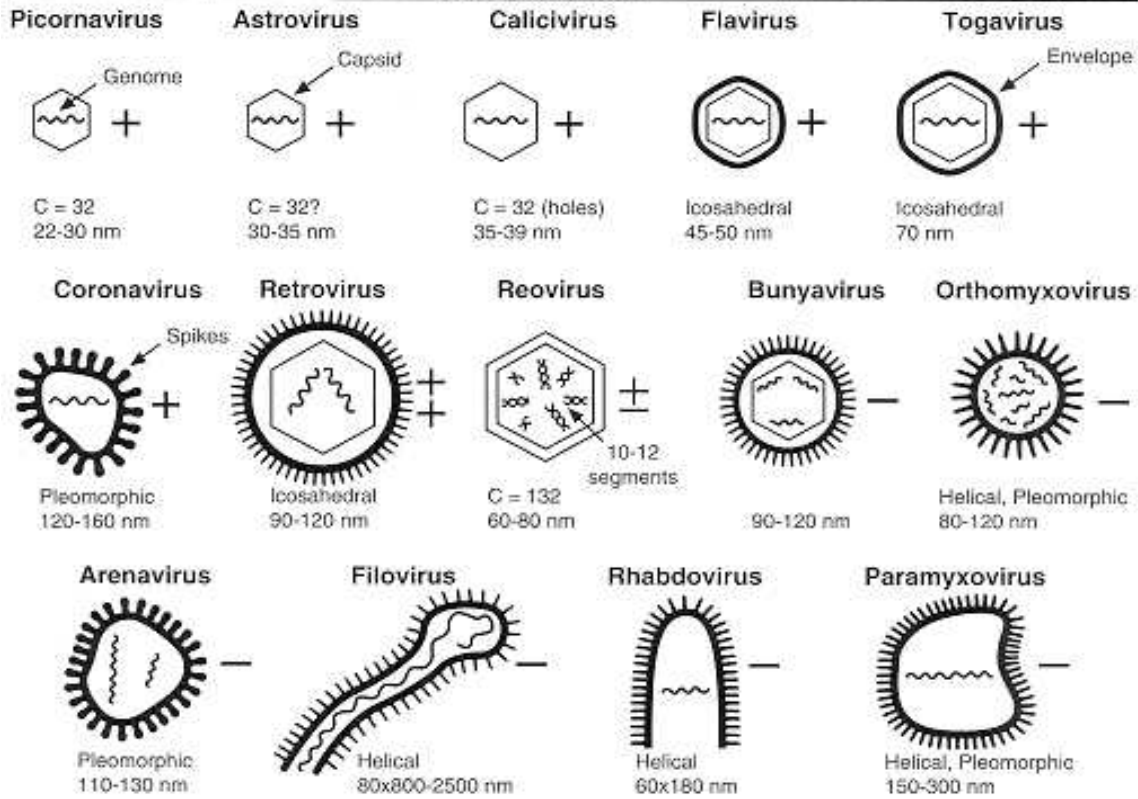
Biological Diversity:

http://www.emc.maricopa.edu/faculty/farabee/BIOBK/BioBookDiversity_1.html

Please staple this rubric to your poster.

DUE: _____

RNA Viruses



DNA Viruses

