

Grade 10-12

Distance Learning Module 8: Week of: May 26th – May 29th

Viruses

Science **Infectious Disease - Modified from [Unit #2 - The Agent](#)**

Targeted Goals from Stage 1: Desired Results

Content Knowledge:

Due to the structure and processes of a virus, they cannot be treated with antibiotics

Bacteria and viruses can reproduce inside a host causing symptoms that can enable the pathogen to spread.

Vocabulary:

Lysogenic, lytic, antibody, antigen, retrovirus, capsid, genome,

Skills:

Compare and contrast the 2 types of viral replication

Apply an understanding of microbiology to diagnose and determine medical treatments

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday:	Memorial Day	No School
Tuesday: Investigate different types of viruses: <ul style="list-style-type: none">- Work through the HHMI Virus Explorer interactive- Complete the corresponding student worksheet	HHMI Virus Explorer Virus Explorer Student Worksheet	Answer the following Question on Classroom: Describe 3 ways viruses can differ from one another
Wednesday: Describe the structure of viruses: <ul style="list-style-type: none">- Review Virus Structure Google Slides	Virus Structure Virus Note Sheet	Submit notesheet

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
presentation and take notes using note sheet		
Thursday: Compare and Contrast the two methods of viral replication: <ul style="list-style-type: none"> - Review the Virus Life Cycle Google Slides presentation - Draw a model of the two methods of viral replication showing how they are connected 	Virus Life Cycle	Submit a picture of your viral replication model
Friday: Virus Review: <ul style="list-style-type: none"> - Watch the Edpuzzle Amoeba Sisters video on Viruses and answer embedded questions 	Amoeba Sisters Viruses	Watch Edpuzzle video and answer embedded questions

Week criteria for success (attach student checklists or rubrics):

Assignment	Criteria for Success
Virus Explorer	Respond to question on Google Classroom
Virus Structure	Note Sheet is complete and accurate
Viral Replication	Model of viral replication clearly and accurately shows the connection between the lytic and lysogenic cycle
Virus Review	Embedded Amoeba Sisters video questions are answered correctly

Supportive resources and tutorials for the week (plans for re-teaching):

Mr. W's Virus Rap

HHMI HIV Life Cycle

Explore related content at the bottom of the webpage: <https://www.biointeractive.org/classroom-resources/virus-explorer>