

General Biology Lab Assignments

Week 1

Instructions: Fully answer the following questions using full sentences and proper grammar. The answers should reflect your own work. Any information taken from other sources should be cited using APA format.

1. What does the acronym SEA-PHAGES mean?

-The acronym means Science Education Alliance-Phage Hunters Advancing Genomics and Evolutionary Science.

2. What are the main objectives of the SEA-PHAGES program?

- The main objectives of the SEA-PHAGES program are to increase undergraduate interest and retention in the biological sciences through immediate immersion in authentic, valuable, yet accessible research.

3. Why is the program so important?

-The program is so important because it allows students to develop a sense of project ownership with their legitimate research.

4. What are phages? How many have been found by Nyack College students?

-Phages are viruses that infect and replicate within bacteria and archaea, 131 of them have been found by Nyack College students.

5. What is the difference between COVID-19 and coronavirus?

- The difference between COVID-19 and coronavirus is that COVID-19 is the disease that is caused by the new coronavirus.

6. What is the specific name of the coronavirus and where did it originate?

-SARS-CoV-2 is the specific name of the coronavirus and it originated in Wuhan, China.

7. How does the virus spread?

- The virus spreads through water droplets that are breathed out by the infected people and are then breathed in by others.

8. Explain how you can minimize your risk of exposure and getting sick.

-You can minimize your risk of exposure and getting sick by washing your hands often, avoiding touching your face, and avoiding unnecessary contact with others.

9. What should you do if you are feeling sick or are worried about exposure?

- If you are feeling sick or are worried about exposure you should call your health care provider, or a hospital and cover your mouth and nose with a cloth when in contact with others.

10. Which individuals have the highest risk of getting sick from the virus?

-Individuals that have existing medical issues, people age 65 and above, and people who have weakened immune systems have the highest risk of getting sick from the virus.

11. What did you learn from the video which you did not know previously?

-I learned that when people touch surfaces such as door knobs and pens that have been used by someone with the virus, it is the air droplets that they are contracting still because the infected person breathed, coughed or sneezed on a surface.