**M4**

**Characteristics of Life and SARS-CoV-2 Project**

**Purpose:**

This project will help you to explore the world of Biology through the organisms that inhabit this world. There are Seven characteristics that all living organisms should possess in order to be considered living things. These seven characteristics will be your guide to understanding if your chosen virus is indeed alive.

Even though, viruses are very important in the world of Biology, they are usually not considered alive. You are going to explore which characteristics COVID-19 has and which ones it hasn’t.

**Components:**

You will be graded on the following criteria:

* The quality of the information you gather by doing research and present in your digital poster
* The quality of your digital poster
* Your ability to present the information to the class
* Creativity and Effort

**What you need:**

**Research**- In this section, you are expected to search for factual information about your SARS-CoV-2 regarding the 7 Characteristics of Life. Your job is to investigate if SARS-CoV-2 fulfills all or any of these characteristics.

If it does fulfill a characteristic you will explain how. If it doesn’t fulfill that characteristic you will have to explain why it doesn’t. And if it partially fulfills this characteristic you have to explain this as well.

Example: “Organism- Human Being” and “Characteristic- Reproduction” Human beings fulfil the characteristic of reproduction because a male and female can create a baby via fertilization of the mother’s egg by a sperm cell. The baby is then carried by the mother for 9 months until she gives birth to a baby human being.

This will be done for all seven characteristics and your findings will be presented to the class. After you have discovered evidence for or against all seven, you must then come to a conclusion of whether your virus can be considered living or nonliving.

**Presentation**- you must create a digital poster where you compare all of the 7 characteristics of organisms with the SARS-CoV-2 virus. The poster must contain a minimum of 150 words.