

Name _____

Viruses Unveiled: Exploring Their Impact on Life

Open-Ended Response Answer Key

1. Possible answers include aiding in nutrient recycling, controlling populations of harmful organisms, or influencing species interactions.
2. Preventive measures include vaccination, practicing good hygiene, implementing public health interventions, and monitoring and controlling disease outbreaks.
3. Viruses differ from bacteria in that they are not considered living organisms, they require a host cell to replicate, and they are much smaller in size. This difference is important for understanding disease transmission and developing targeted treatments.
4. It is necessary to continue researching viruses to develop new treatments and vaccines, understand emerging diseases, and improve public health preparedness.

