

Biology
Understanding Viruses

1. Define virus
2. What is the only goal of a virus?
3. What unfortunate thing happens because of the goal of a virus?
4. How does Stephen Morse describe the structure of a virus?
5. How did influenza get its name?
6. How are virologists able to observe viruses?
7. What major event allowed the influenza virus to spread throughout the world?
8. What is a vaccine and how did its name originate?
9. What are three functions of your immune system. Be sure to mention what is responsible for each function.
 - a.
 - b.
 - c.

10. Explain how virologists grow viruses in a laboratory.

Why is it so difficult to create a vaccine that would destroy the influenza virus?

12. Is the influenza virus species specific? Explain your answer.

13. What is Jonas Salk's claim to fame?

14. Rotavirus

How many people does it kill each year?

15. What famous virus is now extinct in nature?
When and where was the last known case?

Where on Earth are most of the newly discovered viruses originating?

17. What is an arbovirus?

18. How did the mosquito that carries the Dengue virus get from Asia to the United States?

19. Which disease is trying to be cured by the use of a virus?
Which virus is being used?