

Viruses

1. Comment on the difficulty of describing a virus as a living organism.
2. Describe how virus reproduction takes place in a host cell.
3. Name the two main chemical components of a virus.
4. Comment briefly on the difficulty in classifying viruses as living organisms.
5. Name **two** diseases of humans caused by viruses.
6. What are the two main biochemical components of a virus particle?
7. Write notes on the economic and medical importance of viruses.
8. Explain why it is difficult to classify viruses as living organisms.
9. Give the **two** main chemical components of a virus.
10. Outline briefly how a virus replicates (reproduces).
11. Give **one** way in which viruses are beneficial and **one** way in which they are harmful.
12. Suggest a biological explanation for the following: Doctors are reluctant to prescribe antibiotics to patients suffering from common cold-like symptoms.
13. Is the following statement true or false? Give a reason for your answer. HIV / AIDS has orphaned many children in sub-Saharan Africa.
14. What is a virus made up of?
15. Briefly describe how viruses reproduce.
16. During 2009 swine flu spread through the population of many countries. Younger people were more at risk of becoming ill with swine flu than older people.
Using your knowledge of the immune system, suggest a reason for this.
17. Where do you find the nucleic acid in a virus?
18. Where do you find the capsid in a virus?
19. State two harmful effects of viruses.