

## 100-Question Multiple-Choice Quiz on Viral Infections

1. Which type of microorganism requires a host cell to reproduce?

- A. Bacterium
- B. Fungus
- C. Virus
- D. Protozoan

2. Which viral disease is caused by the human immunodeficiency virus (HIV)?

- A. Influenza
- B. AIDS
- C. Tuberculosis
- D. Hepatitis

3. Which virus is responsible for COVID-19?

- A. Influenza virus
- B. Rhinovirus
- C. SARS-CoV-2
- D. Ebola virus

4. Which body system is mainly affected by influenza?

- A. Digestive system
- B. Nervous system
- C. Respiratory system
- D. Skeletal system

5. Which virus commonly causes the common cold?

- A. Rhinovirus
- B. HIV
- C. Hepatitis B virus
- D. Rotavirus

6. Which viral infection can be prevented with the MMR vaccine?

- A. Influenza
- B. Measles
- C. Hepatitis C
- D. Rabies

7. What is the genetic material found in some viruses?

- A. Protein only
- B. Lipids only
- C. DNA or RNA
- D. Carbohydrates

8. Which virus is transmitted mainly through mosquito bites?

- A. Rabies virus
- B. Dengue virus
- C. Norovirus
- D. Adenovirus

9. Which organ is mainly affected by hepatitis viruses?

- A. Heart
- B. Lungs
- C. Liver
- D. Kidneys

10. Which viral infection is known for causing a painful rash along nerves?

- A. Chickenpox
- B. Shingles
- C. Influenza
- D. Polio

11. Which virus causes chickenpox?

- A. Epstein-Barr virus
- B. Varicella-zoster virus

- C. Rotavirus
- D. Poliovirus

12. Which viral disease once caused widespread paralysis before vaccines became available?

- A. Polio
- B. Measles
- C. Rabies
- D. Mumps

13. Which virus attacks the liver and can be spread through contaminated food and water?

- A. Hepatitis A virus
- B. HIV
- C. Ebola virus
- D. HPV

14. Which viral infection is commonly spread through sexual contact?

- A. HPV
- B. Rhinovirus
- C. Rotavirus
- D. Norovirus

15. Which virus is associated with cervical cancer?

- A. HIV
- B. HPV
- C. Influenza virus
- D. Coronavirus

16. Which viral disease is characterized by swollen salivary glands?

- A. Rubella
- B. Mumps
- C. Chickenpox

D. Dengue

17. Which virus can cause infectious mononucleosis?

- A. Epstein-Barr virus
- B. Hepatitis B virus
- C. Poliovirus
- D. Rabies virus

18. Which symptom is common in many viral infections?

- A. Fever
- B. Broken bones
- C. Tooth decay
- D. Hair loss

19. Which virus is known for causing severe hemorrhagic fever?

- A. Rhinovirus
- B. Ebola virus
- C. HPV
- D. Adenovirus

20. Which viral infection is preventable through yearly vaccination?

- A. Influenza
- B. Rabies
- C. Polio
- D. Mononucleosis

21. Which structure surrounds some viruses and helps them enter cells?

- A. Capsule
- B. Envelope
- C. Cell wall
- D. Ribosome

22. Which virus is transmitted through bites from infected animals?

- A. Rabies virus
- B. Norovirus
- C. Hepatitis A virus
- D. Rotavirus

23. Which disease is caused by the rabies virus?

- A. Encephalitis
- B. Rabies
- C. Influenza
- D. Dengue

24. Which virus is a major cause of stomach flu outbreaks?

- A. HIV
- B. Norovirus
- C. Measles virus
- D. Poliovirus

25. Which viral infection can lead to jaundice?

- A. Hepatitis B
- B. Influenza
- C. Rhinovirus
- D. Chickenpox

26. Which virus belongs to the coronavirus family?

- A. SARS-CoV-2
- B. HIV
- C. HPV
- D. Rotavirus

27. Which virus is spread mainly through contaminated blood and body fluids?

- A. Hepatitis C virus
- B. Rhinovirus

- C. Adenovirus
- D. Rotavirus

28. Which of the following is NOT a viral disease?

- A. Measles
- B. Tuberculosis
- C. Chickenpox
- D. Mumps

29. Which virus can remain dormant in the body and reactivate later?

- A. Varicella-zoster virus
- B. Norovirus
- C. Rotavirus
- D. Rhinovirus

30. Which viral infection commonly causes loss of smell and taste?

- A. COVID-19
- B. Rabies
- C. Polio
- D. Hepatitis A

31. What is the main purpose of vaccines?

- A. Destroy all bacteria
- B. Strengthen bones
- C. Prepare the immune system to fight infections
- D. Replace antibiotics

32. Which virus can cause liver cancer?

- A. Hepatitis B virus
- B. Rhinovirus
- C. Influenza virus
- D. Norovirus

33. Which virus causes measles?

- A. Measles virus
- B. Dengue virus
- C. HIV
- D. Rotavirus

34. Which viral disease often causes a red rash and fever in children?

- A. Measles
- B. Rabies
- C. Hepatitis
- C D. Polio

35. Which viral infection is especially dangerous for people with weakened immune systems?

- A. Cytomegalovirus
- B. Rhinovirus
- C. Rotavirus
- D. Common cold

36. Which virus is commonly spread through respiratory droplets?

- A. Influenza virus
- B. Hepatitis B virus
- C. HIV
- D. Rabies virus

37. Which viral infection affects infants and causes severe diarrhea?

- A. Rotavirus
- B. HIV
- C. Ebola virus
- D. Hepatitis B

38. Which virus can cause birth defects if contracted during pregnancy?

- A. Rubella virus
- B. Rhinovirus
- C. Adenovirus
- D. Norovirus

39. Which viral infection is also known as German measles?

- A. Rubella
- B. Chickenpox
- C. Influenza
- D. Dengue

40. Which virus causes hand, foot, and mouth disease?

- A. Coxsackievirus
- B. HIV C. Hepatitis C virus
- D. Ebola virus

41. Which type of medication is specifically used against viruses?

- A. Antibiotics
- B. Antivirals
- C. Antifungals
- D. Analgesics

42. Which viral disease can cause inflammation of the brain?

- A. Viral encephalitis
- B. Osteoporosis
- C. Arthritis
- D. Diabetes

43. Which virus is associated with cold sores?

- A. Herpes simplex virus type 1
- B. HIV
- C. Rotavirus

D. Hepatitis A virus

44. Which virus is usually associated with genital herpes?

- A. HSV-2
- B. Influenza virus
- C. Poliovirus
- D. Norovirus

45. Which viral infection can cause warts?

- A. HPV
- B. Ebola virus
- C. HIV
- D. Hepatitis C virus

46. Which virus can infect the nervous system and spinal cord?

- A. Poliovirus
- B. Rhinovirus
- C. Rotavirus
- D. Adenovirus

47. Which of the following helps reduce the spread of respiratory viruses?

- A. Handwashing
- B. Sharing utensils
- C. Avoiding sleep
- D. Eating more sugar

48. Which viral disease caused a global pandemic beginning in 2020?

- A. SARS
- B. COVID-19
- C. Ebola
- D. Polio

49. Which virus can be transmitted from mother to child during birth?

- A. HIV
- B. Rhinovirus
- C. Norovirus
- D. Rotavirus

50. Which viral infection often causes fatigue and swollen lymph nodes?

- A. Mononucleosis
- B. Dengue
- C. Influenza
- D. Rabies

51. Which virus is known as a "retrovirus" ?

- A. HIV
- B. Influenza virus
- C. Rabies virus
- D. Adenovirus

52. Which viral infection can cause severe dehydration due to vomiting and diarrhea?

- A. Norovirus
- B. HPV
- C. Rabies
- D. Mumps

53. Which virus can remain latent in nerve cells?

- A. Herpes simplex virus
- B. Rotavirus
- C. Hepatitis A virus
- D. Rhinovirus

54. Which viral disease is transmitted through contaminated needles?

- A. Hepatitis B
- B. Measles
- C. Influenza
- D. Rubella

55. Which virus causes severe acute respiratory syndrome (SARS)?

- A. SARS coronavirus
- B. HIV
- C. Dengue virus
- D. Rotavirus

56. Which disease is prevented by the oral polio vaccine?

- A. Measles
- B. Polio
- C. Rabies
- D. Dengue

57. Which virus can spread through contaminated food prepared by infected individuals?

- A. Norovirus
- B. HIV
- C. Hepatitis C virus
- D. Rabies virus

58. Which symptom is characteristic of rabies infection?

- A. Hydrophobia
- B. Skin peeling
- C. Blindness
- D. Hair growth

59. Which virus is spread by ticks?

- A. Powassan virus
- B. HIV
- C. HPV
- D. Rotavirus

60. Which viral infection can cause pneumonia?

- A. Influenza
- B. HPV
- C. Mumps
- D. Warts

61. Which virus causes AIDS?

- A. HIV
- B. Measles virus
- C. Rabies virus
- D. Rotavirus

62. Which viral infection can be prevented with safe sex practices?

- A. HPV
- B. Influenza
- C. Chickenpox
- D. Measles

63. Which virus can cause liver cirrhosis over time?

- A. Hepatitis C virus
- B. Rhinovirus
- C. Adenovirus
- D. Norovirus

64. Which viral disease often produces Koplik spots?

- A. Measles
- B. Influenza
- C. Rabies
- D. Dengue

65. Which virus is commonly associated with conjunctivitis?

- A. Adenovirus
- B. HIV
- C. Rabies virus
- D. Hepatitis B virus

66. Which viral infection is commonly called "the flu" ?

- A. Influenza
- B. Hepatitis
- C. Dengue
- D. Polio

67. Which virus can cross the placenta and affect a fetus?

- A. Rubella virus
- B. Rhinovirus
- C. Rotavirus
- D. Norovirus

68. Which viral disease can cause severe muscle and joint pain?

- A. Dengue fever
- B. Rabies
- C. Mononucleosis
- D. Chickenpox

69. Which virus infects and destroys immune cells?

- A. HIV
- B. Rhinovirus
- C. Rotavirus
- D. Norovirus

70. Which viral infection often causes blister-like skin lesions?

- A. Chickenpox

- B. Influenza
- C. Hepatitis A
- D. Polio

71. Which virus can spread through organ transplantation?

- A. Cytomegalovirus
- B. Measles virus
- C. Rhinovirus
- D. Norovirus

72. Which viral infection has a vaccine that helps prevent liver disease?

- A. Hepatitis B
- B. Rhinovirus
- C. Adenovirus
- D. Rotavirus

73. Which virus causes seasonal outbreaks every year?

- A. Influenza virus
- B. Rabies virus
- C. HIV
- D. Ebola virus

74. Which viral infection can cause meningitis?

- A. Enterovirus infection
- B. Osteoarthritis
- C. Diabetes
- D. Hypertension

75. Which virus was eradicated globally through vaccination?

- A. Smallpox virus
- B. HIV
- C. Influenza virus
- D. Rabies virus

76. Which viral infection may cause chronic liver infection?

- A. Hepatitis B
- B. Rhinovirus
- C. Rotavirus
- D. Norovirus

77. Which virus is linked to Kaposi sarcoma in immunocompromised patients?

- A. Human herpesvirus 8
- B. Poliovirus
- C. Influenza virus
- D. Adenovirus

78. Which viral disease can spread rapidly in crowded settings?

- A. Measles
- B. Rabies
- C. Hepatitis
- C D. Dengue

79. Which virus causes respiratory syncytial virus infection?

- A. RSV
- B. HIV
- C. HPV
- D. Ebola virus

80. Which viral infection often causes barking cough in children?

- A. Croup
- B. Hepatitis B
- C. Rabies
- D. Polio

81. Which virus is associated with oral and genital lesions?

- A. Herpes simplex virus
- B. Rhinovirus
- C. Rotavirus
- D. Adenovirus

82. Which viral infection is commonly diagnosed using PCR testing?

- A. COVID-19
- B. Osteoporosis
- C. Arthritis
- D. Hypertension

83. Which virus causes yellow fever?

- A. Yellow fever virus
- B. HIV
- C. Rotavirus
- D. Norovirus

84. Which viral infection can lead to chronic fatigue after recovery?

- A. Mononucleosis
- B. Influenza
- C. Common cold
- D. Warts

85. Which virus is responsible for most cases of cervical dysplasia?

- A. HPV
- B. Influenza virus
- C. Poliovirus
- D. Adenovirus

86. Which viral infection is often associated with outbreaks on cruise ships?

- A. Norovirus
- B. Rabies
- C. Hepatitis B

D. Dengue

87. Which virus can be transmitted through unprotected sex and blood exposure?

- A. HIV
- B. Rhinovirus
- C. Adenovirus
- D. Rotavirus

88. Which viral disease often begins with fever, cough, and sore throat?

- A. Influenza
- B. Hepatitis C
- C. Rabies
- D. Polio

89. Which virus causes acute gastroenteritis in children and adults?

- A. Norovirus
- B. HIV
- C. Measles virus
- D. Hepatitis B virus

90. Which viral infection can cause a "slapped cheek" rash in children?

- A. Parvovirus B19 infection
- B. Rabies
- C. Dengue
- D. Hepatitis A

91. Which virus can infect both humans and animals?

- A. Rabies virus
- B. Rotavirus
- C. Rhinovirus
- D. Norovirus

92. Which viral infection is commonly prevented by avoiding mosquito bites?

- A. Dengue
- B. Influenza
- C. Mumps
- D. Polio

93. Which virus can cause liver inflammation and is spread sexually?

- A. Hepatitis B virus
- B. Rhinovirus
- C. Rotavirus
- D. Adenovirus

94. Which viral disease is considered highly contagious?

- A. Measles
- B. Diabetes
- C. Osteoporosis
- D. Arthritis

95. Which virus causes Middle East Respiratory Syndrome (MERS)?

- A. MERS coronavirus
- B. HIV
- C. HPV
- D. Poliovirus

96. Which viral infection commonly affects young children and causes fever with rash?

- A. Roseola
- B. Rabies
- C. Hepatitis C
- D. Dengue

97. Which virus can mutate rapidly, requiring updated vaccines?

- A. Influenza virus
- B. Rabies virus
- C. Adenovirus
- D. Rotavirus

98. Which viral infection can be reduced by vaccination before exposure?

- A. Rabies
- B. Osteoarthritis
- C. Hypertension
- D. Diabetes

99. Which virus can trigger outbreaks in hospitals and nursing homes?

- A. Norovirus
- B. HPV
- C. Hepatitis C virus
- D. Rabies virus

100. Which is the best general method to reduce the spread of many viral infections?

- A. Ignoring symptoms
- B. Frequent handwashing and vaccination
- C. Sharing personal items
- D. Avoiding exercise