

## 100 Multiple-Choice Quiz about Bacterial Infections

1. Which of the following is a bacterium?

- A. Influenza virus
- B. Escherichia coli
- C. Candida albicans
- D. Plasmodium falciparum

2. What is the most common cause of strep throat?

- A. Staphylococcus aureus
- B. Streptococcus pyogenes
- C. E. coli
- D. Mycobacterium tuberculosis

3. Which antibiotic class inhibits bacterial cell wall synthesis?

- A. Macrolides
- B. Tetracyclines
- C. Penicillins
- D. Aminoglycosides

4. Tuberculosis is caused by which organism?

- A. Mycobacterium tuberculosis
- B. Clostridium tetani
- C. Neisseria gonorrhoeae
- D. Salmonella typhi

5. Which infection is transmitted by ticks?

- A. Lyme disease
- B. Cholera
- C. Tuberculosis
- D. Diphtheria

6. Which bacterium causes cholera?

- A. *Vibrio cholerae*
- B. *Shigella dysenteriae*
- C. *Salmonella enterica*
- D. *Campylobacter jejuni*

7. What is the main symptom of bacterial meningitis?

- A. Rash
- B. Neck stiffness
- C. Joint pain
- D. Hair loss

8. Which bacterium causes tuberculosis?

- A. *Mycobacterium leprae*
- B. *Mycobacterium tuberculosis*
- C. *Bacillus anthracis*
- D. *Listeria monocytogenes*

9. Which disease is caused by *Clostridium tetani*?

- A. Botulism
- B. Tetanus
- C. Cholera
- D. Typhoid

10. What type of bacteria are spherical in shape?

- A. Bacilli
- B. Spirilla
- C. Cocci
- D. Vibrio

11. Which infection is caused by *Helicobacter pylori*?

- A. Stomach ulcers
- B. Pneumonia
- C. UTI
- D. Meningitis

12. Which is a common symptom of urinary tract infection (UTI)?

- A. Vision loss
- B. Burning urination
- C. Rash
- D. Hair loss

13. Which bacteria causes syphilis?

- A. *Neisseria gonorrhoeae*
- B. *Treponema pallidum*
- C. *Chlamydia trachomatis*
- D. *E. coli*

14. What is the main transmission route of tuberculosis?

- A. Sexual contact
- B. Airborne droplets
- C. Food
- D. Water

15. Which bacteria causes diphtheria?

- A. *Corynebacterium diphtheriae*
- B. *Streptococcus pneumoniae*
- C. *Staphylococcus epidermidis*
- D. *E. coli*

16. Which antibiotic resistance is a major global concern?

- A. Vitamin resistance
- B. MRSA
- C. Flu resistance
- D. Mold resistance

17. Which bacteria causes food poisoning from rice?

- A. *Bacillus cereus*

- B. *Salmonella typhi*
- C. *Shigella*
- D. *E. coli* O157

18. What is the shape of spirilla bacteria?

- A. Round
- B. Rod-shaped
- C. Spiral
- D. Star-shaped

19. Which disease is caused by *Salmonella typhi*?

- A. Typhoid fever
- B. Cholera
- C. TB
- D. Leprosy

20. Which bacteria causes gonorrhoea?

- A. *Neisseria gonorrhoeae*
- B. *Treponema pallidum*
- C. *Chlamydia pneumoniae*
- D. *E. coli*

21. What is a common symptom of bacterial pneumonia?

- A. Rash
- B. Cough with fever
- C. Blindness
- D. Joint swelling

22. Which bacteria causes anthrax?

- A. *Bacillus anthracis*
- B. *Clostridium difficile*
- C. *Listeria monocytogenes*
- D. *Shigella*

23. Which structure helps bacteria move?

- A. Nucleus
- B. Flagella
- C. Ribosomes
- D. Mitochondria

24. Which bacteria causes whooping cough?

- A. Bordetella pertussis
- B. Mycoplasma pneumoniae
- C. E. coli
- D. Streptococcus mutans

25. Which infection is commonly treated with antibiotics?

- A. Viral flu
- B. Bacterial strep throat
- C. COVID-19
- D. Measles

26. What is antibiotic resistance?

- A. Bacteria dying easily
- B. Bacteria surviving antibiotics
- C. Virus mutation
- D. Fungal growth

27. Which bacteria causes leprosy?

- A. Mycobacterium leprae
- B. Mycobacterium tuberculosis
- C. E. coli
- D. Listeria

28. Which is a Gram-positive bacterium?

- A. E. coli
- B. Staphylococcus aureus

- C. Salmonella
- D. Neisseria

29. Which bacteria causes botulism?

- A. Clostridium botulinum
- B. Clostridium tetani
- C. E. coli
- D. Shigella

30. Which infection is spread sexually?

- A. Influenza
- B. Gonorrhoea
- C. TB
- D. Cholera

31. What is sepsis?

- A. Viral infection
- B. Bloodstream infection
- C. Skin rash
- D. Lung cancer

32. Which bacteria causes plague?

- A. Yersinia pestis
- B. E. coli
- C. Salmonella
- D. Shigella

33. Which bacteria causes dental cavities?

- A. Streptococcus mutans
- B. E. coli
- C. Salmonella
- D. Listeria

34. What is the main function of antibiotics?

- A. Kill bacteria or stop growth
- B. Kill viruses
- C. Boost immunity
- D. Cure cancer

35. Which disease affects the intestines causing severe diarrhea?

- A. Cholera
- B. Flu
- C. Malaria
- D. TB

36. Which bacteria causes Legionnairesâ€™ disease?

- A. Legionella pneumophila
- B. E. coli
- C. Salmonella
- D. Staphylococcus

37. Which bacteria causes MRSA infections?

- A. Staphylococcus aureus
- B. E. coli
- C. Salmonella
- D. Streptococcus

38. What is the shape of bacilli bacteria?

- A. Round
- B. Spiral
- C. Rod-shaped
- D. Star-shaped

39. Which bacteria causes food poisoning in eggs?

- A. Salmonella
- B. E. coli
- C. Shigella

D. Listeria

40. Which disease is caused by *Listeria monocytogenes*?

- A. Listeriosis
- B. TB
- C. Cholera
- D. Gonorrhoea

41. What is the main symptom of tetanus?

- A. Paralysis
- B. Muscle stiffness
- C. Rash
- D. Fever only

42. Which bacteria causes meningococcal meningitis?

- A. *Neisseria meningitidis*
- B. *E. coli*
- C. *Salmonella*
- D. *Staph aureus*

43. Which bacteria is found in yogurt and gut health?

- A. *Lactobacillus*
- B. *E. coli*
- C. *Salmonella*
- D. *Shigella*

44. What is pus made of in bacterial infections?

- A. Red blood cells
- B. Dead cells and bacteria
- C. Fat
- D. Bone cells

45. Which bacteria causes gas gangrene?

- A. Clostridium perfringens
- B. E. coli
- C. Salmonella
- D. Strep pyogenes

46. Which bacteria causes pink eye (bacterial conjunctivitis)?

- A. Staphylococcus aureus
- B. E. coli
- C. Salmonella
- D. Bacillus

47. What is a bacterial capsule for?

- A. Movement
- B. Protection
- C. Photosynthesis
- D. Reproduction

48. Which bacteria causes typhoid fever?

- A. Salmonella typhi
- B. E. coli
- C. Shigella
- D. Vibrio cholerae

49. What is the first line of defense against bacteria?

- A. Antibiotics
- B. Skin
- C. Vaccines
- D. Surgery

50. Which bacteria causes scarlet fever?

- A. Streptococcus pyogenes
- B. E. coli
- C. Salmonella

D. Listeria

51. Which bacteria is commonly associated with hospital-acquired infections?

- A. Clostridium tetani
- B. Staphylococcus aureus
- C. Vibrio cholerae
- D. Treponema pallidum

52. What is the primary mode of transmission for Clostridium difficile infection?

- A. Airborne droplets
- B. Contaminated food
- C. Fecal-oral route
- D. Sexual contact

53. Which bacteria causes Lyme disease?

- A. Borrelia burgdorferi
- B. Rickettsia rickettsii
- C. E. coli
- D. Salmonella typhi

54. Which of the following is NOT a bacterial shape?

- A. Cocci
- B. Bacilli
- C. Spirilla
- D. Filamentous fungus

55. Which bacteria causes tetanus?

- A. Clostridium tetani
- B. Clostridium botulinum
- C. E. coli
- D. Streptococcus

56. Which infection is characterized by "rice-water" stool?

- A. Typhoid
- B. Cholera
- C. Dysentery
- D. TB

57. Which bacteria is associated with peptic ulcers?

- A. *Helicobacter pylori*
- B. *E. coli*
- C. *Salmonella*
- D. *Shigella*

58. Which antibiotic class inhibits protein synthesis?

- A. Penicillins
- B. Macrolides
- C. Sulfonamides
- D. Cephalosporins

59. Which bacteria causes pertussis?

- A. *Bordetella pertussis*
- B. *Mycoplasma pneumoniae*
- C. *Staphylococcus aureus*
- D. *E. coli*

60. Which bacteria is most commonly found in UTIs?

- A. *E. coli*
- B. *Salmonella*
- C. *Listeria*
- D. *Clostridium*

61. Which toxin causes botulism symptoms?

- A. Neurotoxin
- B. Endotoxin

- C. Hemolysin
- D. Enterotoxin

62. Which bacteria causes typhoid fever?

- A. Salmonella typhi
- B. Shigella
- C. E. coli
- D. Vibrio cholerae

63. Which disease is prevented by the BCG vaccine?

- A. TB
- B. Cholera
- C. Typhoid
- D. Gonorrhoea

64. Which bacteria is responsible for food poisoning from undercooked poultry?

- A. Salmonella
- B. Listeria
- C. E. coli
- D. Streptococcus

65. Which structure allows bacteria to attach to surfaces?

- A. Flagella
- B. Pili
- C. Ribosomes
- D. Nucleus

66. Which bacteria causes plague?

- A. Yersinia pestis
- B. E. coli
- C. Salmonella
- D. Shigella

67. What is bacteremia?

- A. Skin infection
- B. Bacteria in the blood
- C. Lung infection
- D. Brain infection

68. Which bacteria causes scarlet fever?

- A. Streptococcus pyogenes
- B. E. coli
- C. Salmonella
- D. Listeria

69. Which bacteria causes gas gangrene?

- A. Clostridium perfringens
- B. Clostridium tetani
- C. E. coli
- D. Staphylococcus

70. Which infection is spread by contaminated water?

- A. Cholera
- B. Flu
- C. TB
- D. HIV

71. What is an endotoxin?

- A. Protein toxin secreted by bacteria
- B. Toxin in bacterial cell wall
- C. Viral toxin
- D. Fungal toxin

72. Which bacteria causes gonorrhoea?

- A. Neisseria gonorrhoeae
- B. Treponema pallidum

- C. Chlamydia trachomatis
- D. E. coli

73. Which bacteria causes meningitis in young adults?

- A. Neisseria meningitidis
- B. E. coli
- C. Salmonella
- D. Listeria

74. Which antibiotic class targets DNA replication?

- A. Fluoroquinolones
- B. Penicillins
- C. Macrolides
- D. Tetracyclines

75. Which bacteria causes leprosy?

- A. Mycobacterium leprae
- B. Mycobacterium tuberculosis
- C. E. coli
- D. Salmonella

76. What is the role of probiotics?

- A. Kill viruses
- B. Support healthy bacteria
- C. Cause infections
- D. Destroy cells

77. Which bacteria causes botulism in canned foods?

- A. Clostridium botulinum
- B. Clostridium tetani
- C. E. coli
- D. Salmonella

78. Which bacteria causes pneumonia in elderly hospitalized patients?

- A. *Streptococcus pneumoniae*
- B. *E. coli*
- C. *Shigella*
- D. *Vibrio cholerae*

79. Which infection is caused by *Shigella*?

- A. Dysentery
- B. TB
- C. Cholera
- D. Typhoid

80. What is antibiotic overuse likely to cause?

- A. Faster healing
- B. Resistance
- C. Immunity boost
- D. Virus mutation

81. Which bacteria is part of normal gut flora?

- A. *E. coli*
- B. *Vibrio cholerae*
- C. *Treponema pallidum*
- D. *Yersinia pestis*

82. Which bacteria causes foodborne listeriosis?

- A. *Listeria monocytogenes*
- B. *Salmonella*
- C. *E. coli*
- D. *Shigella*

83. Which bacteria causes acne?

- A. *Cutibacterium acnes*

- B. E. coli
- C. Salmonella
- D. Streptococcus

84. Which antibiotic is derived from mold?

- A. Penicillin
- B. Tetracycline
- C. Ciprofloxacin
- D. Vancomycin

85. Which bacteria causes anthrax?

- A. Bacillus anthracis
- B. Clostridium difficile
- C. E. coli
- D. Listeria

86. Which bacteria causes traveler's diarrhea?

- A. E. coli
- B. Shigella
- C. Salmonella
- D. Vibrio cholerae

87. What is the main function of bacterial spores?

- A. Reproduction
- B. Survival in harsh conditions
- C. Movement
- D. Digestion

88. Which bacteria causes dental plaque?

- A. Streptococcus mutans
- B. E. coli
- C. Salmonella
- D. Listeria

89. Which bacteria causes pneumonia in children?

- A. Streptococcus pneumoniae
- B. E. coli
- C. Salmonella
- D. Shigella

90. Which bacteria causes diphtheria?

- A. Corynebacterium diphtheriae
- B. Staphylococcus aureus
- C. E. coli
- D. Listeria

91. Which bacteria causes urinary tract infections in most cases?

- A. E. coli
- B. Salmonella
- C. Shigella
- D. Listeria

92. What is the role of vaccines in bacterial infections?

- A. Cure infection
- B. Prevent infection
- C. Kill viruses
- D. Replace antibiotics

93. Which bacteria causes toxic shock syndrome?

- A. Staphylococcus aureus
- B. E. coli
- C. Salmonella
- D. Shigella

94. Which bacteria causes gonorrhoea complications?

- A. Neisseria gonorrhoeae
- B. E. coli

- C. Salmonella
- D. Listeria

95. Which bacteria causes rheumatic fever?

- A. Streptococcus pyogenes
- B. E. coli
- C. Salmonella
- D. Shigella

96. Which bacteria is responsible for bacterial vaginosis?

- A. Gardnerella vaginalis
- B. E. coli
- C. Salmonella
- D. Staphylococcus

97. Which bacteria causes wound infections?

- A. Staphylococcus aureus
- B. E. coli
- C. Salmonella
- D. Shigella

98. Which bacteria causes peritonitis?

- A. E. coli
- B. Vibrio cholerae
- C. Treponema pallidum
- D. Neisseria gonorrhoeae

99. Which bacteria causes food poisoning with toxins in dairy?

- A. Staphylococcus aureus
- B. E. coli
- C. Salmonella
- D. Shigella

100. What is the best method to prevent bacterial infections?

- A. Antibiotics only
- B. Handwashing and hygiene
- C. Sugar intake
- D. Avoiding exercise