

Microbiology
Study Guide
C21 – Diseases of Skin & Eye

1. What must bacteria be able to tolerate to live on skin?
2. What type of bacteria predominate on the skin?
3. Where would you expect to find microbes on the skin?
4. What are common bacteria of the normal biota?
5. What is the significance in knowing if Staphylococcus is either coagulase positive or negative?
6. What is the significance between Staphylococcus aureus and S. epidermidis?
7. What is folliculitis? What bacteria?
8. What bacteria causes impetigo? What is the appearance of the three forms of impetigo?
9. What is the cause of Staphylococcus “toxic shock syndrome”?
10. What is the name of the pathogenic hemolysin B Group A Streptococcus?
11. What is the significance of the M protein on Streptococcus?
12. What bacteria causes erysipelas?
13. What is the common name for necrotizing fasciitis?
14. What are the three forms of acne?
15. What bacteria causes inflammatory acne?
16. What type of microbe causes warts?
17. What is the common name for the variola virus? Portal of entry?
18. What is the common name for the disease caused by the varicella virus? Portal of entry?
19. At what age do most people acquire herpes zoster?
20. What micro causes cold sores?

21. Cold sores may come and go. When they go, where do they go?
22. What is another name for measles?
23. What is the scientific name for German measles?
24. How many children die daily worldwide from Rubella?
25. Is scarlet fever caused by *S. pyogenes* or a bacteriophage? Explain
26. Dermatophytes are commonly called ring worm disease. What type of organism are dermatophytes?
27. What is a fungal infection in the oral cavity called?
28. What is conjunctivitis?
29. What is the significance of either a milky or watery discharge during conjunctivitis?
30. What is keratitis?
31. Name two different organisms that may cause keratitis?

Additional Question (added 3/22/2017)

1. Can a child contract chickenpox from an adult with shingles?
2. What organism causes warts?
3. What is the significance about *Pseudomonas aeruginosa*'s metabolism?
4. What organism causes thrush and vaginitis?
5. What are *S. pyogenes*'s virulence factors?
6. What is the primary complication of chickenpox?
7. What types of skin diseases are associated with *Staphylococcus*?
8. What organism produces exfoliative toxin and what skin disease is caused by this toxin?
9. What is the primary complication associated with rubella?

10. What is the significance of Reye's Syndrome?
11. What organism causes scabies?
12. What organism causes inflammatory acne?
13. What species of Staphylococcus predominates on the skin?