

Microbiology  
Study Guide C25  
Digestive System Diseases

1. How many different species of bacteria in the oral cavity are considered normal biota?
2. Did the ancient Romans or modern humans have healthier teeth? Why?
3. What microbe initiates a dental carie? What is the second step? Third?
4. What microbe enters the biofilm to metabolize fructose which creates lactic acid?
5. What is the difference between an infection and intoxication?
6. What is the difference between diarrhea and dysentery?
7. What are symptoms of *S. aureus* food poisoning?
8. What microbe causes Shigelosis?
9. Is Shigelosis an invasive disease? Explain
10. What is the virulent factor for *Shigella dysenteriae*?
11. What is the difference between *Salmonella enterica* and *S. typhi*?
12. What *Salmonella* sp. Results in a host being a lifelong chronic carrier? Who was the most famous carrier?
13. Is *Vibrio cholera* an invasive bacteria? Explain
14. What condition is associated with *Vibrio vulnificus*?
15. Why are cattle not infected by *E. coli* but human are infected by the same microbe?
16. What are *E. coli* pedestals?
17. What is the difference between Enteropathogenic *E. coli* and Enteroinvasive *E. coli*?
18. What is the secondary complication associated with Enterohemorrhagic *E. coli*?
19. What condition is associated with *Helicobacter pylori*? Mechanism to cause disease?

20. What is the most serious outcome of Clostridium difficile infection?
21. How is C difficile infections transmitted?
22. What organ is infected by hepatitis?
23. What is the most common form of viral gastroenteritis?
24. What is the active phase in the protozoa life cycle? Inactive phase?
25. What is the protozoa that attaches to the small intestine and causes diarrhea?
26. What helminthes infects 30% of the human population?
27. What organism may crawl out of the rectum at night and lays its eggs near the anus? Symptoms?