

1. **Review previous study guides.** You don't get to forget what you already learned. Remember all tests are cumulative.
2. How many estimated bacterial species in the human intestine? What do they weigh?
3. What is another (more proper) name for the normal flora?
4. What roles do the normal flora play in human health?
5. What areas of the body are colonized and an example of the bacterial genera that inhabit those sites.
6. Describe what you know about *E. coli* O157:H7. What does each term of the strain designation mean? What disease(s) does it cause?
7. What is meant by a privileged site?
8. What is an opportunistic infection? What are sources of an opportunistic infections.
9. Know the terms used to quantify the spread of disease – prevalence, incidence, morbidity, mortality, endemic, epidemic, pandemic. (these notes are from lab)
10. What serve as reservoirs for infectious diseases (these notes are from lab)?
11. How are infectious diseases transmitted (these notes are from lab)?
12. What are the steps in pathogenesis?
13. What's the difference between signs and symptoms.
14. What is a virulence factor? Give examples of virulence factors.
15. How can a bacterium avoid the immune system?
16. Why doesn't exposure to a pathogen always result in disease?
17. **Name Koch's postulates (there are four).**
18. What are the problems with applying Koch's postulates?
19. *Staphylococcus aureus* is associated with what diseases and virulence factors? Is it Gram positive, Gram negative, an aerobe or an anaerobe? What media would you use to test for it?