

1. Review previous study guides. You don't get to forget what you already learned.
2. Images of the various infectious diseases are also online.
3. There are 7 things you are required to know about each of the pathogens we discussed: 1) medically important species, 2) physiology, 3) diseases and virulence factors (all of them), 4) Diagnosis, 5) Reservoirs & transmission, 6) morbidity & mortality, 7) prevention & treatment.
4. You might try dividing a piece of paper into columns and writing the species in the first column, the diseases in the second, the virulence factors in the third, etc.
5. Several streptococcal species are associated with human disease. What diseases do they cause and what are their virulence factors? Are they Gram positive, Gram negative, an aerobe or an anaerobe? How would you diagnose them? What is its reservoir and mode of transmission? What is its rate of morbidity and mortality? How would you treat it?
6. *Bordetella pertussis* is associated with what diseases? What are its virulence factors? Is it Gram positive, Gram negative, an aerobe or an anaerobe? How would you culture it? What is its reservoir and mode of transmission? What is its rate of morbidity and mortality? How would you treat it? What genes appear to be missing in *B. pertussis* that are not missing in the other two species? What are the implications of these missing genes?
7. *Nisseria* species are associated with what human diseases? What are the known virulence factors? Are they Gram positive, Gram negative, an aerobe or an anaerobe? How would you diagnose them? What is its reservoir and mode of transmission? What is its rate of morbidity and mortality? How would you treat it?