

**Please note that the format of the objectives for the 4<sup>th</sup> Unit are different.** There are no definitions but lots of information that you have to learn. Don't wait till the last minute to study. Study before the presentation of each chapter and after. Essay questions will be taken from the major categories. Compare and Contrast questions are my favorite here. (ex. Compare and Contrast the diseases caused by S. pyogenes and S. pneumoniae)

At the completion of chapter 21, infections of the respiratory system, the student will know the following characteristics

A. For the major bacterial respiratory infections:

- i. Mycobacterium tuberculosis
- ii. Streptococcus pyogenes
- iii. Streptococcus pneumoniae

Causative agent

Mode of transmission

Treatment and prevention

Any special characteristics that are stressed in lecture

\*know the disease progression of tuberculosis: primary and secondary

B. For other bacterial respiratory infections

Bordetella pertussis

Legionella species

Haemophilus influenzae

Corynebacterium diphtheriae

Type of infection

Significance

C. For the major viral respiratory infection, influenza

Type of causative agent – type of virus and special characteristics of genome

Type of infection

Mode of transmission

Special characteristics: eight segmented genome, antigenic drift, antigenic shift

Treatment and prevention

D. Other viral infections

“common cold”

E. For the major fungal diseases

Histoplasmosis

Coccidiomycosis

Blastomycosis

Pneumocystis

Causative agent

Geographical distribution

Mode of transmission

Type of disease

Treatment