

Pharmacology NURS 251 Module 6 Exam

1. Antibiotics are a drug class with the ability to destroy or interfere with the development of what microorganism? **ANS** bacteria

2. True or False. All Streptococcus pneumoniae bacteria lead to strep throat.-

ANS False

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3. Select the incorrect statement below.

Health care associated infections are easier to treat because the patient is already in the hospital and can obtain treatment quickly.

Gram- negative bacteria tend to be harder to treat.

Anaerobic bacteria are commonly found in the GI tract.

Staphylococcus aureus is a gram-positive bacterium. **ANS** Health care associated infections are easier to treat because the patient is already in the

hospital and can obtain treatment quickly.

4. List one example of a gram-positive bacteria and one example of a gram-negative bacteria. Specify whether each bacteria is gram-positive or gram-negative. **ANS** gram-positive bacteria - Staphylococcus aureus gram

negative bacteria - Escherichia coli

5. Provide a definition of the terms Antibiotic spectrum and bacteria resistance. **ANS** Antibiotic spectrum- bacteria that are susceptible to the antibacterial

actions of a particular drug. Bacteria Resistance is defined as the ability of some bacteria to resist the actions of antibiotics.

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6. Select the description below that is NOT a mechanism of action associated with antibiotics.

Interference with bacterial cell wall synthesis

Interference with carbohydrate synthesis

Interference with replication of DNA and RNA

Antimetabolite action that disrupts important metabolic reactions within the

bacterial cell **ANS** Interference with carbohydrate synthesis