Honors Biology

Test on Bacteria and Viruses Study Guide

The test will cover material from 16.2, 16.4 and 16.5 in your text as well as the microbiome, antibiotic resistance and vaccines.

Be sure you review the following terms:

Bacteria

Archaea

Structure of bacteria

Cocci, bacilli, spirilla

Gram positive vs. negative

Binary fission

Transformation

Conjugation

Transduction

Photo/chemo

Auto/heterotroph

Pathogen

Antibiotics

Antibiotic resistance

Microbiome

Basic virus structure

Bacteriophage

Retroviruses

Reverse transcriptase

Lytic vs. Lysogenic cycles

Vaccines

Herd immunity

There are 45 multiple choice questions and three short answer. For the short answer, be sure to review antibiotic resistance and natural selection, the microbiome and vaccines. You should also be able to identify examples of bacterial infections vs. viral ones.

Don’t forget to use the note-taking guides and review the videos on my website. You should also review all worksheets and review the articles we discussed in class.

\*\*POGIL on infectious disease is not on the test\*\*