

Microbiology Sci 203a lab midterm study guide

Review labs 1-8, pay close attention to the questions at the end of each lab as this is where I get my “essays” from for the exam. Review the chapters from lecture pertaining to influential microbiologists, microscopy, and culturing microorganisms.

Specifics:

What did Koch contribute to microbiology?

What did Hooke contribute to microbiology?

What did Pasteur contribute to microbiology?

What did van Leeuwenhoek contribute to microbiology?

What did Semmelweis contribute to microbiology?

How can you distinguish a prokaryote from a eukaryote, know the specifics of each cell type.

Review the metric system so you can do conversions.

Study the parts of a microscope, know what each does and how images are viewed.

Know the different types of microscopes and what we would use each one for.

Know how to prepare a microscope slide, both the steps and the rationale for each step.

What are the five I's of microbiology?

What are the different types of media we will use in this class and what are the pros and cons of each. (When would you use one media versus another?)