

# Exam 1 review

## WEEK 1

Here is some information about Exam 1.

- This examination covers content learned in weeks 1 and 2.
- This exam is worth 120 total points, and includes the following types of questions:
  - 25 Multiple choice questions
  - 5 Fill in the blank questions
  - 2 Short answer questions
  - 2 Essay questions
- You have 90 minutes to complete the Exam.
- When the time limit is reached, you will automatically be exited from the exam.
- Remember to **choose the best answer**, some questions may have more than one correct answer but only one BEST answer.

By submitting this work, I am attesting that I understand and am abiding the Chamberlain University Code of Conduct.

Good luck!

## History of Microbiology (C01)

1. Identify, recognize, and name types of microorganisms-
  - a. Cellular- Eukaryotes vs prokaryotes
    - i. Prokaryotes- Bacteria Archaea
    - ii. Eukaryotes- Fungi, protists (algae, protozoa), helminth (worms)
  - b. Acellular- viruses, prions, viroids
2. Cellular organization:
  - a. Compare and contrast the structural differences between cellular and acellular microorganisms
  - b. Compare and contrast the prokaryotic and eukaryotic cells- which cellular structures are found in both? What are the major differences between shared cellular structures?
    - i. Ribosomes
    - ii. DNA
    - iii. RNA
    - iv. Cell membrane
    - v. Cytoplasm
    - vi. Cell wall
3. Understand and explain the branches of Microbiology
4. Demonstrate and explain the contributions of following scientists:
  - a. Aristotle
  - b. Antoni Van Leeuwenhoek