

Test Bank for Burton's Microbiology for the Health Sciences Enhanced 11th Engelkirk

Chapter 01: Microbiology-The Science

1. Which of the following individuals is considered to be the “Father of Microbiology”?
 - A. Anton van Leeuwenhoek
 - B. Louis Pasteur
 - C. Robert Koch
 - D. Rudolf Virchow
2. The microbes that usually live on or within a person are collectively referred to as
 - A. germs.
 - B. indigenous microbiota.
 - C. nonpathogens.
 - D. opportunistic pathogens.
3. Microbes that live on dead and decaying organic material are known as
 - A. indigenous microflora.
 - B. parasites.
 - C. pathogens.
 - D. saprophytes.
4. The study of algae is called
 - A. algaeology.
 - B. botany.
 - C. mycology.
 - D. phycology.
5. The field of virology involves the study of which of the following types of organisms?
 - A. Fungi, protozoa, and viruses
 - B. Viruses, prions, and viroids
 - C. Viruses, bacteria, and fungi
 - D. Bacteria, protozoa, and viruses
6. Rudolf Virchow is given credit for proposing which of the following theories?
 - A. Abiogenesis
 - B. Biogenesis
 - C. Germ theory of disease
 - D. Spontaneous generation
7. Which of the following microbes are considered obligate intracellular pathogens?
 - A. Chlamydias, rickettsias, *Mycobacterium leprae*, and *Treponema pallidum*
 - B. *Mycobacterium leprae* and *Treponema pallidum*
 - C. *Mycobacterium tuberculosis* and viruses
 - D. Rickettsias, chlamydias, and viruses
8. Which one of the following statements is true?
 - A. Koch developed a rabies vaccine.

- B. Microbes are ubiquitous.
- C. Most microbes are harmful to humans.
- D. Pasteur conducted experiments that proved the theory of abiogenesis.

9. Which of the following are even smaller than viruses?

- A. Chlamydias
- B. Prions and viroids
- C. Rickettsias
- D. Cyanobacteria

10. Which of the following individuals introduced the terms “aerobes” and “anaerobes”?

- A. Anton van Leeuwenhoek
- B. Louis Pasteur
- C. Robert Koch
- D. Rudolf Virchow

Answer Key

1. A
2. B
3. D
4. D
5. B
6. B
7. D
8. B
9. B
10. B