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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.

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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

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Answer Key

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

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