

### 140 MIC- Quiz 1

1. All bacteria are procaryotic.

- True
- False

2. What are Koch's postulates?

- Criteria for proving the causal relationship between a suspected pathogen and a disease
- Criteria for proving that viruses can cause disease
- Criteria for proving that organisms could develop from nonliving matter

3. "Spontaneous generation" is the hypothesis that microorganisms are agents of human disease.

- True
- False

4. Who was the first person to describe microorganisms?

- Louis Pasteur
- Antony Van Leewenhoek
- Robert Koch

5. Name some applied disciplines in microbiology

- Medical and public health
- Industrial, food and dairy
- All of the above

6. Who showed that microorganisms caused fermentation and that some microorganisms could live in the absence of oxygen?

- Louis Pasteur
- Anton Van Leewenhoek
- Robert Koch

7. What is a hypothesis?

- A fact
- A theory
- An educated guess

8. Agar is a gelatinous material used widely in microbiology for the isolation and pure culture of microorganisms. Who first suggested the use of agar for this purpose?

- Fannie Hesse
- Richard Petri
- Robert Koch

9. Microbiology is the study of organisms and agents too small to be seen clearly by the unaided eye.

- True
- False

10. What were Joseph Lister's contributions to microbiology?

- Provided definitive evidence for the germ theory
- The development of aseptic surgical techniques.
- Suggested the use of petri plates for the isolation and culture of microorganisms