

CELL BIOLOGY

Multiple Choice Questions & Answers

1. The theory that states that microbes can invade other organisms and cause disease is the _____.
- A. germ theory of disease
 - B. spontaneous generation
 - C. univocal generation
 - D. abiogenesis

ANSWER: A

2. _____ formulated four postulates to associate a particular organism with a specific disease.
- A. Louis Pastuer
 - B. Robert Koch
 - C. Alexander Fleming
 - D. Edward Jenner

ANSWER: B

3. Periplasmic space is found _____.
- A. in between cell wall and cell membrane
 - B. below cell membrane
 - C. within outer membrane
 - D. in between outer membrane and peptidoglycan

ANSWER: D

4. Accumulations of polyphosphate volutin granules with cytoplasm of bacteria are called _____.
- A. metachromatic
 - B. monochromatic.
 - C. minichromatic.
 - D. macrochromatic.

ANSWER: A

5. Members of the genus Bacillus and Clostridium produce resistant structures called _____.
- A. spores
 - B. endospores
 - C. capsular structure
 - D. inclusion bodies

ANSWER: B

6. Flagella distributed all over the surface of bacteria are called _____.
- A. peritrichous
 - B. monotrichous
 - C. atrichous
 - D. amphitrichous

ANSWER: A

7. A preserved culture maintained to keep its characteristics as originally defined is a _____.
- A. reference culture
 - B. standard culture
 - C. enrichment culture

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D. selective culture

ANSWER: A

8. Pasteur is credited with all the following except _____.
- A. construction of swan necked vessels
 - B. development of a vaccine for rabies
 - C. development of the technique for rabies
 - D. became the director of the Pasteur institute in Paris, France

ANSWER: D

9. One of the most important contributions of Robert Koch in his development of the germ theory of disease was the _____.
- A. use of test animals in research
 - B. use of the microscope
 - C. development of the technique of pure culturing
 - D. development of the busen burner

ANSWER: C

10. A stain which on ionization gives positively charged molecules is referred as

_____.

- A. acidic stain
- B. Basic stain
- C. anionic stain
- D. basic mordant

ANSWER: A

11. The charged group of bacterial cell surface produces attraction between basic stain

_____.

- A. negative
- B. positive
- C. neutral
- D. all of the above

ANSWER: B

12. The differential staining technique refers as _____ staining.

- A. monochrome
- B. Gram
- C. negative
- D. endospore

ANSWER: B