

# Microbiology

## Mid



Clusters of flagella at both end of the cell called:

- a) Lophotrichous
- b) Monotrichous
- c) Amphitrichous
- d) Peritrichous

Answer:c

: One of the following bacteria considered as a grape structure

- a) staphylococci
- b) streptococci
- c) spirochete
- d) vibrio
- e) Coccobacillus

Answer:a

:One of the following bacteria have a lipopolysaccharides in its cell wall

- a) gram-positive bacteria
- b) gram-negative bacteria
- c) streptococci

Answer:b

The temperature that describes the maximal possible rate at which organisms

:grow

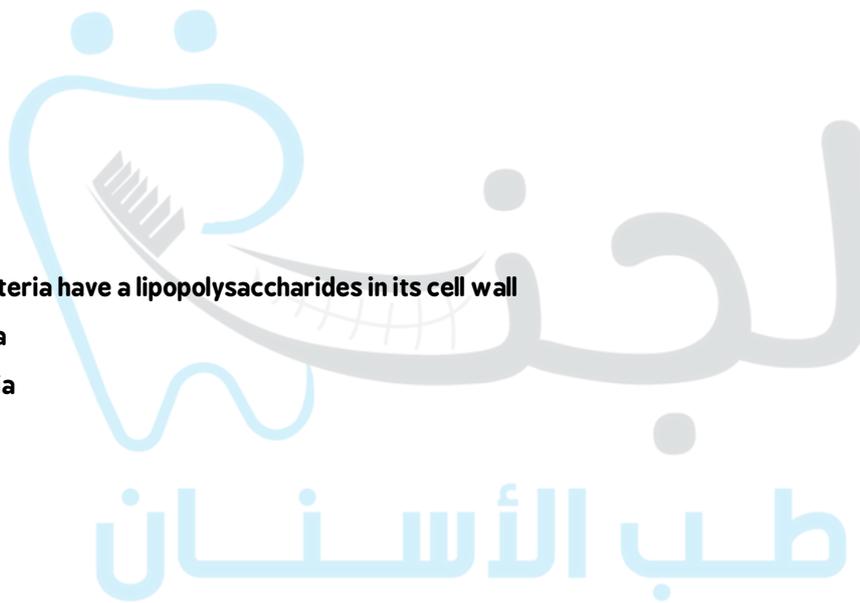
- a) optimum temperature
- b) Cardinal temperature
- c) maximum temperature
- d) minimum temperature

Answer:a

:The convenient temperature range for the mesophiles

- a) 40-60
- b) 25-40
- c)60-80

Answer:b



**Organisms that do not and may even be killed by oxygen:**

- a) aerobes
- b) facultative
- c) anaerobes
- d) Aerotolerant anaerobes

**Answer:c**

**What is the level of classification that strain refer to:**

- a)Subspecies
- b)Species
- c)Genus
- d)Family

**Answer:a**

**The average size of cells during the exponential phase of growth is:**

- a) lesser than the lag phase
- b) greater than the lag phase
- c) none of these
- d) equal to the lag phase

**Answer:a**

**Ribosomes are the factory of\_\_\_ synthesis? Select one:**

- a.Protein
- b.Plasmid
- c.Sugar
- d.Lipid
- e.DNA

**Answer:a**

**Which of the followings has a spiral shape? Select one:**

- a. Neisseria**
- b. Treponema**
- c. Chlamydia**
- d. E. coli**
- e. Yersinia**

**Answer: b**

**The cell wall of gram-negative bacteria may contribute to the development of septic shock. Identify the component which is most associated with the induction of septic shock? Select one:**

- a. Capsular protein**
- b. Lipopolysaccharide**
- c. Peptidoglycan**
- d. Phospholipid**
- e. Teichoic acid**

**Answer: b**

**In which phase of bacterial growth are the number of growing equal the number of dying bacteria? Select one :**

- a. Lag**
- b. Log**
- c. Stationary.**
- d. Death.**
- e. Eclipse.**

**Answer: c**

**Which bacteria cannot stain which gram stain because it's complex waxes :**

- 1 ) mycobacterium**
- 2 ) diphtheriae**
- 3 ) listeria monocytogeneses**

**Answer: 1**

**All of the following is true about mycobacterium except :**

- 1 ) gram positive**
- 2 ) strict aerobic**
- 3 ) acid fast staining**
- 4 ) grow fast in lab**

**Answer: 4**

**All of the following is true except :**

**Robert Hooke : discovered animalcules**

**True classification of bacteria is :**

- 1 ) Kingdom , phylum , class , order , family , genus , species**
- 2 ) Phylum , kingdom , class , order , family , genus , species**
- 3 ) Class , order , family , division , genus , species**

**Answer: 1**



**All of the following is classification of cocci except :**

- 1) diplococcus**
- 2 ) tetrads**
- 3 ) sarcinae**
- 4 ) palisade**

**Answer: 4**

**After performing a Gram stain, the bacteria appear purple under the microscope.**

**Which of the following best explains this finding?**

- a. Thick peptidoglycan layer retained the crystal violet stain**
- b. Thin peptidoglycan layer lost the primary stain**
- c. Presence of lipopolysaccharide**
- d. Presence of mycolic acids**

**Answer:A**

**A bacterial sample is described as Gram-negative, rod-shaped, and arranged in chains.**

**Which of the following terms correctly describes this arrangement?**

- a. Streptobacilli**
- b. Diplobacilli**
- c. Staphylococci**
- d. Sarcina**

**Answer:A**

**Who is the scientist who named animalcules?**

- A) Robert Hooke**
- B) Louis Pasteur**
- C) Alexander Fleming**
- D) Anton van Leeuwenhoek**

**Answer: D**

**Bacteria belong to which kingdom?**

- A) Protista**
- B) Plantae**
- C) Fungi**
- D) Monera (Prokaryotae)**

**Answer: D**

**Which of the following structures are external to the cytoplasmic membrane? \*\***

- A) Cell wall**
- B) Capsule**
- C) Flagella**
- D) Pili**
- E) All of the above**

**Answer: E**

**One of the following external to cytoplasmic membrane:**

- A) Ribosomes**
- B) Capsule**
- C) DNA**
- D) Plasmid**

**Answer: B**

**A bacterial cell transfers a plasmid to another cell during (The process when bacteria give a genetic material bacteria is)?**

- A) Transformation**
- B) Transduction**
- C) Conjugation**
- D) Binary fission**

**Answer: C)**

**Anchor peptidoglycan layers to the plasma membrane:**

- a. Teichoic acid**
- b. Lipoteichoic acid**

**Answer: b)**

