

QUIZ TIME

Microbiology

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Lec: 8



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Which of the following transport mechanisms shows saturation?

- A) Simple diffusion
- B) Facilitated diffusion
- C) Osmosis
- D) Filtration

Answer: B)

Which of the following substances are transported by facilitated diffusion?

- A) Oxygen and carbon dioxide
- B) Glucose and amino acids
- C) Sodium and potassium ions through the pump
- D) Water through osmosis

Answer: Which bacterial cytoskeletal protein forms a ring at the future site of cell division?

- A) MreB
- B) CreS
- C) FtsZ
- D) MinD

Answer: C)

Which bacterial cytoskeletal protein is responsible for maintaining the crescent shape of curved bacteria like *Caulobacter crescentus*?

- A) FtsZ
- B) MreB
- C) CreS
- D) MinC

Answer: C)



Which of the following antibiotics is known to affect bacterial ribosomes?

- A) Penicillin
- B) Streptomycin
- C) Ciprofloxacin
- D) Tetracycline

Answer :B)

What is the primary function of the mesosome in bacterial cells?

- A) Protein synthesis
- B) DNA replication
- C) Cellular respiration and energy production
- D) Nutrient storage

Answer :C)

What is the primary role of plasmids in bacterial cells?

- A) Storing genetic information necessary for cell division
- B) Carrying genes that provide antibiotic resistance or other advantageous traits
- C) Synthesizing proteins
- D) Facilitating cell metabolism

Answer :B)

What is the primary function of a bacterial endospore?

- A) Nutrient storage
- B) Protection against harsh conditions
- C) Protein synthesis
- D) DNA replication

Answer B)

Which of the following bacteria are known to produce endospores?

- A) Escherichia coli
- B) Bacillus and Clostridium
- C) Streptococcus
- D) Salmonella

Answer: B)



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اللَّهُ أَكْبَرُ

