

# Lec 3 Quiz



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1. Which bacterium is characterized by a 3-domain exotoxin with protective antigen, edema factor, and lethal factor?

- A. Klebsiella
- B. S. Pneumonia
- C. S. Viridans
- D. B. Anthracis

Answer: B. Anthracis (D)

B. Anthracis is characterized by a 3-domain exotoxin with protective antigen, edema factor, and lethal factor.

2. Which bacterium is known for causing community-acquired pneumonia with rusty sputum?

- A. Klebsiella
- B. S. Viridans
- C. S. Pneumonia
- D. B. Anthracis

Answer: S. Pneumonia (C)

S. Pneumonia is known for causing community-acquired pneumonia with rusty sputum.

3. Which bacterium is associated with nosocomial infections?

- A. B. Anthracis
- B. Klebsiella
- C. S. Viridans
- D. S. Pneumonia

Answer: Klebsiella (B)

Klebsiella is associated with nosocomial infections.

4. Which bacterium is characterized by a high degree of antibiotic resistance?

- A. S. Pneumonia
- B. Klebsiella
- C. S. Viridans
- D. B. Anthracis

Answer: Klebsiella (B)

Klebsiella is characterized by a high degree of antibiotic resistance.

5. Which bacterium causes a pulmonary disease known as "wool sorter's disease"?

- A. S. Pneumonia
- B. S. Viridans
- C. B. Anthracis
- D. Klebsiella

Answer: B. Anthracis (C)

B. Anthracis causes cutaneous anthrax, and pulmonary anthrax known as "wool sorter's disease".

6. Which bacterium has a vaccine available against its capsule and is given to children below 2 years, the elderly, and immunocompromised individuals?

- A. S. Pneumonia
- B. B. Anthracis
- C. S. Viridans
- D. Klebsiella

Answer: S. Pneumonia (A)

A vaccine against the capsule of S. Pneumonia is given to specific populations.

7. Which bacterium is characterized by a Gram-negative encapsulated bacilli morphology?

- A. S. Viridans
- B. B. Anthracis
- C. Klebsiella
- D. S. Pneumonia

Answer: Klebsiella (C)

Klebsiella is characterized by a Gram-negative encapsulated bacilli morphology.

8. Which bacterium causes alpha-hemolysis and shows a positive Quellung reaction?

- A. Klebsiella
- B. S. Viridans
- C. S. Pneumonia
- D. B. Anthracis

Answer: S. Pneumonia (C)

S. Pneumonia causes alpha-hemolysis and shows a positive Quellung reaction.