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# Microbiology Chapter 10 Test Bank Exam Questions & Answers

Which of the following statements about archaea is FALSE?

- A) They are prokaryotes.
- B) They lack peptidoglycan in their cell walls.
- C) Some are thermoacidophiles; others are extreme halophiles.
- D) They evolved before bacteria.
- E) Some produce methane from carbon dioxide and hydrogen. - ANSWER-they evolved before bacteria

Which of the following characterizes the Domain Bacteria?

- A) prokaryotic cells; ether linkages in phospholipids
- B) eukaryotic cells; ester linkages in phospholipids
- C) prokaryotic cells; ester linkages in phospholipids
- D) complex cellular structures
- E) multicellular - ANSWER-prokaryotic cells; ester linkages in phospholipids

If two organisms have similar rRNA sequences, you can conclude that they

- A) live in the same place.
- B) evolved from a common ancestor.
- C) will have different G-C ratios.
- D) will both ferment lactose.
- E) mated with each other. - ANSWER-evolved from a common ancestor

What is the outstanding characteristic of the Kingdom Fungi?

- A) All members are photosynthetic.
- B) Members absorb dissolved organic matter.
- C) Members absorb dissolved inorganic matter.

# Microbiology Chapter Test Answers

**Pooler,TAMPARO,LINDH**



## **Microbiology Chapter Test Answers:**

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*Brock Biology of Microorganisms*  
Michael T. Madigan, 2009 Three new chapters focus on the rapidly developing fields of archaeal and eukaryotic molecular biology biotechnology and immunology in host defense and disease Page viii

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