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 5 Test Bank

John Bernard Henry

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