

1. Gram-positive and Gram-negative bacteria belong to the domain:

*A. Eukarya*

*B. Bacteria*

*C. Archaea*

2. A cell possesses a nuclear membrane and nucleolus, mitochondria, an endoplasmic reticulum, and Golgi complexes. This cell belongs to the domain:

*A. Archae*

*B. Bacteria*

*C. Eukarya*

3. Protozoa and fungi belong to the domain:

A. *Archae*

B. *Bacteria*

C. *Eukarya*

4. The rapid adaptability of bacteria to new environments is due predominantly to:

A. vertical gene transmission.

B. horizontal gene transfer.

C. mutation.