

GENERATED MOCK EXAM

Question 1

According to the text, what is the primary distinction that separates organisms from non-living objects such as water and rocks?

- A. The presence of DNA containing genetic information.
- B. The ability to perform the seven processes of life.
- C. The capacity to maintain a stable internal environment.
- D. The ability to acquire and transform energy.

ANSWER: B

Question 2

The text groups certain "key principles that define how life is organized on Earth." Which of the following principles is *not* included in the specific grouping described as identifying "the importance of cells, genes, and evolution to life on

- A. Cells are the basic unit of life.
- B. Genes are the basic units for the passing of traits from parent to offspring.
- C. Living things maintain the environment within their cells and bodies.
- D. Evolution by natural selection is the process that has led to the great diversity of species on Earth.

ANSWER: C

Question 3

Which glossary term is most directly related to the second key principle that defines how life is organized on Earth?

A. Biochemistry

B. Heredity

C. Physiology

D. Photosynthesis

ANSWER: B

Question 4

The text identifies viruses as an "unusual group." What is the specific reason provided in the text for this unusual classification among living organisms?

A. They are considered more primitive life forms than bacteria or archaea.

B. They are only visible with the use of a microscope.

C. Biologists hold differing views on whether they should be classified as living.

D. They represent the most advanced group of organisms, alongside humans.

ANSWER: C

Question 5

Drawing from the author's personal experience and advice, what is recommended for students encountering difficult topics in biology?

A. To consider alternative fields like mathematics or chemistry if biology proves too challenging.

B. To focus exclusively on basic concepts and avoid intricate terminology and processes.

C. To cultivate patience, avoid giving up, and address complex issues incrementally.

D. To prioritize the study of the five universal truths as the sole foundation of biological knowledge.

ANSWER: C