

GENERATED MOCK EXAM

1. Which of the following is **not listed as one of the "five universal truths of biology" that define how life is organized on Earth?**

A. Cells are the basic unit of life.

B. Living things maintain the environment within their cells and bodies.

C. Living things can acquire and transform energy.

D. Living things are able to reproduce.

ANSWER: D

2. According to the text, why are viruses considered an "unusual group" with a debated classification among biologists?

A. They lack genetic material like DNA.

B. They are unable to perform reproduction without the use of a host.

C. They are microscopic and not considered higher-level organisms.

D. They exclusively inhabit the corners of homes like spiders.

ANSWER: B

3. Based on the provided text, which scenario would **not be considered a subject of investigation within the field of biology?**

- A. Studying how sunlight influences the growth of a plant.
- B. Learning about the digestion process facilitated by bacteria in human intestines.
- C. Investigating the chemical reactions within an organism's cells.
- D. Analyzing the gravitational forces between celestial bodies in a galaxy.

ANSWER: D

4. What does the text imply is the primary reason for Earth's special status within our solar system and possibly our galaxy?

- A. Its unique position relative to the sun.
- B. The incredible diversity of its geological features.
- C. Its capacity to support and harbor living organisms.
- D. The presence of advanced groups of organisms like humans.

ANSWER: C

5. If a biologist is studying the passing of *deoxyribonucleic acid* from a parent organism to its offspring, which two related biological terms from the glossary are most directly relevant to their study?

- A. Photosynthesis and Respiration
- B. Heredity and DNA

C. Membrane and Microscopic

D. Habitat and Organism

ANSWER: B