- 1. Question 1: What is the primary focus of biology?
  A) The study of rocks and minerals
  B) The study of life and living organisms
  C) The study of weather patterns
  D) The study of human history
  - Answer: B
  - 2. Question 2: Which of the following is NOT a characteristic of life?
    - A) Requires energy
    - B) Reproduces
    - C) Can fly
    - D) Maintains homeostasis

Answer: C

- 3. Question 3: What is the term for the process that keeps conditions inside the bodies of organisms stable?
  - A) Adaptation
  - B) Homeostasis
  - C) Metabolism
  - D) Evolution

Answer: B

- 4. Question 4: What type of relationship is mutualism?
  - A) One organism benefits while the other is harmed
  - B) Both organisms benefit from the relationship
  - C) One organism benefits and the other is unaffected
  - D) Both organisms are harmed

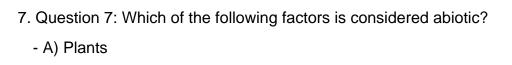
Answer: B

- 5. Question 5: In which biome would you find permafrost?
  - A) Desert
  - B) Tundra
  - C) Tropical rainforest
  - D) Temperate forest

Answer: B

- 6. Question 6: What is the primary producer in an ecosystem?
  - A) Herbivore
  - B) Carnivore
  - C) Autotroph
  - D) Detritivore

Answer: C



- B) Animals

- C) Temperature
- D) Bacteria

Answer: C

- 8. Question 8: What is the main role of detritivores in an ecosystem?
  - A) To produce energy through photosynthesis
  - B) To consume other consumers
  - C) To decompose organic materials and recycle nutrients
  - D) To compete with primary producers

Answer: C

- 9. Question 9: What is the term for the maximum number of individuals that an environment can support?
  - A) Population density
  - B) Carrying capacity
  - C) Biotic potential
  - D) Limiting factor

Answer: B

- 10. Question 10: Which of the following is a characteristic of a eutrophic lake?
  - A) Low nutrient levels
  - B) High oxygen levels
  - C) High nutrient levels
  - D) Cold temperatures

Answer: C