

BIOLOGY

1. What is the term for the passing of traits from parents to offspring?

- A. Mutation
- B. Variation
- C. Heredity
- D. Evolution

Answer: C. Heredity

2. Which of the following is an example of a producer in an ecosystem?

- A. Fungus
- B. Bacteria
- C. Green plant
- D. Animal

Answer: C. Green plant

3. What type of relationship is exhibited by remora fish and sharks?

- A. Commensalism
- B. Mutualism
- C. Parasitism
- D. Predation

Answer: A. Commensalism

4. Which of the following is a characteristic of a functioning ecosystem?

- A. Lack of producers
- B. Presence of only one species
- C. Balance between biotic and abiotic factors
- D. Absence of decomposers

Answer: C. Balance between biotic and abiotic factors

5. What is the term for the relationship between two organisms living together for mutual benefit?

- A. Symbiosis
- B. Commensalism
- C. Parasitism
- D. Predation

Answer: A. Symbiosis

6. Which of the following is an example of predation?

- A. Lion and zebra

- B. Clover and nitrogen-fixing bacteria
- C. Tapeworm and human
- D. Orchid and tree

Answer: A. Lion and zebra

7. What is the main source of genetic variation in a population?

- A. Mutation
- B. Gene flow
- C. Genetic drift
- D. Meiosis

Answer: A. Mutation

8. Which of the following is an abiotic factor in an ecosystem?

- A. Temperature
- B. Plant
- C. Animal
- D. Bacteria

Answer: A. Temperature

9. What type of relationship is exhibited by lichens growing on rocks?

- A. Commensalism
- B. Mutualism
- C. Parasitism
- D. Symbiosis

Answer: B. Mutualism

10. What is the term for the process by which organisms adapt to their environment?

- A. Evolution
- B. Mutation
- C. Variation
- D. Selection

Answer: A. Evolution