

Biology and Environmental Science Questions

Science · Practice Test · 9 Questions

1. What are the chief methods of asexual reproduction?

- A) Budding, fission, and fragmentation
- B) Sexual reproduction and vegetative propagation
- C) Meiosis and mitosis
- D) Pollination and fertilization

2. Why is crop production considered very important to humans?

- A) It provides food and raw materials
- B) It is a source of entertainment
- C) It helps in climate control
- D) It is primarily for aesthetic purposes

3. How are microbes useful in cleaning the environment?

- A) By decomposing waste materials
- B) By producing harmful toxins
- C) By consuming all plant life
- D) By increasing air pollution

4. What is a renewable source of energy?

- A) Energy that can be replenished naturally
- B) Energy that is finite and depletes over time
- C) Energy derived from fossil fuels
- D) Energy that causes significant pollution

5. Which of the following is a condition necessary for the combustion of a fuel?

- A) Presence of an oxidizer (like oxygen)
- B) Absence of heat
- C) Low fuel concentration
- D) Low oxygen levels

6. Why are all conditions necessary for combustion?

- A) Because combustion is a chemical reaction requiring specific inputs
- B) Because it is a physical process
- C) Because it only needs fuel
- D) Because heat alone is sufficient

7. How is biodiversity threatened?

- A) Habitat destruction and pollution
- B) Increased conservation efforts
- C) Sustainable farming practices
- D) Reduced human population

8. Differentiate between Egg and Sperm.

- A) Egg is female gamete, larger; Sperm is male gamete, smaller and motile
- B) Sperm is female gamete, larger; Egg is male gamete, smaller and motile
- C) Both are identical in size and function
- D) Egg is motile, Sperm is stationary

9. Differentiate between External and Internal fertilization.

- A) External fertilization occurs outside the body; Internal fertilization occurs inside the body
- B) External fertilization occurs inside the body; Internal fertilization occurs outside the body
- C) Both occur only outside the body
- D) Both occur only inside the body