

High School Agricultural Science Basics

Agriculture · Practice Test · 7 Questions

1. Which primary macronutrient is mainly responsible for promoting vegetative leaf growth in plants?

- A) Nitrogen
- B) Phosphorus
- C) Potassium
- D) Calcium

2. What chemical process do crops use to turn sunlight, water, and carbon dioxide into glucose and oxygen?

- A) Respiration
- B) Photosynthesis
- C) Transpiration
- D) Osmosis

3. Which irrigation method delivers water directly to the base of plants in small amounts to minimize evaporation?

- A) Flood irrigation
- B) Drip irrigation
- C) Overhead sprinkler
- D) Furrow irrigation

4. Among standard soil mineral particles, which type has the smallest grain size?

- A) Sand
- B) Silt
- C) Clay
- D) Gravel

5. What is the term for growing a single crop species on a farm field at one time?

- A) Polyculture
- B) Crop rotation
- C) Monoculture
- D) Intercropping

6. Why are leguminous plants like clover or soybeans frequently included in crop rotations?

- A) To absorb excess nitrogen
- B) To fix atmospheric nitrogen into the soil
- C) To prevent soil compaction
- D) To increase soil salinity

7. Which compartment of the ruminant stomach contains microbes that ferment tough plant fibers?

- A) Abomasum
- B) Omasum
- C) Reticulum
- D) Rumen