High School Agricultural Science Basics

Agriculture · Answer Key · 7 Questions

1. What process do green crops use to convert sunlight, carbon dioxide, and water into glucose and oxygen?

A) Respiration
B) Photosynthesis
C) Transpiration
D) Fermentation

2. Which three primary nutrients are represented by the acronym NPK on plant fertilizer bags?

A) Nitrogen, Phosphorus, Potassium
B) Nickel, Platinum, Krypton
C) Sodium, Phosphorus, Calcium
D) Nitrogen, Potassium, Iron

3. What is the primary agricultural benefit of including legume crops like clover or beans in crop rotation?

A) They produce natural pesticides
B) They fix atmospheric nitrogen into soil
C) They grow without sunlight
D) They absorb excess groundwater

4. Which irrigation method delivers water directly to plant roots, minimizing water loss from evaporation?

A) Flood irrigation
B) Drip irrigation
C) Overhead spray irrigation
D) Furrow irrigation

5. What term describes growing a single crop species repeatedly over a large area of farm land?

A) Polyculture
B) Monoculture
C) Permaculture
D) Agroforestry

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6. Which agricultural technique involves growing plants in a nutrient-rich liquid solution without soil?

A) Aquaponics
B) Hydroponics
C) Terracing
D) Aeration

7. What is green forage crop material that has been fermented and stored in airtight conditions for livestock feed called?

A) Silage
B) Compost
C) Mulch
D) Grain