

Agricultural Knowledge Challenge

Agriculture · Answer Key · 8 Questions

1. What is the primary purpose of crop rotation in sustainable agriculture?

- A) To increase the need for synthetic fertilizers
- B) To grow a single crop variety continuously
- C) To prevent soil erosion and improve soil fertility**
- D) To deplete soil nutrients faster

2. Which farming method involves growing plants without soil, using mineral nutrient solutions dissolved in water?

- A) Terrace farming
- B) Hydroponics**
- C) Dryland farming
- D) Shifting cultivation

3. What is the most widely produced cereal grain globally by production volume?

- A) Wheat
- B) Rice
- C) Maize (Corn)**
- D) Barley

4. Which livestock animal provides the most widely consumed meat globally?

- A) Cattle
- B) Chicken
- C) Pork**
- D) Lamb

5. What term describes the decomposed organic matter in soil that improves its fertility and water retention?

- A) Silt
- B) Clay
- C) Humus**
- D) Sand

6. Which macronutrient is primarily responsible for vigorous leafy growth and deep green color in plants?

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

7. In which historical region is agriculture believed to have first largely emerged, leading to the Neolithic Revolution?

- A) Andes Mountains
- B) Indus Valley
- C) Fertile Crescent**
- D) Mesoamerica

8. What is the practice of delivering water directly to the roots of plants through a network of tubes, minimizing water waste?

- A) Flood irrigation
- B) Sprinkler irrigation
- C) Drip irrigation**
- D) Furrow irrigation