

# Agricultural and Rural Land Use Patterns and Processes

APHG					
JANUARY / FEBRUARY			UNIT 5		
Sunday	Monday	Block Day 1	Block Day 2	Friday (1-6)	Saturday
19	20			24	25
		Agriculture The First Agricultural Revolution Vegetative Agriculture Seed Agriculture Subsistence Agriculture Commercial Agriculture Rural Settlement Patterns Clustered Dispersed Linear Open Lot System Enclosure Movement	Survey Methods Metes and Bounds Long Lot Township and Range Animal Domestication Plant Domestication Agricultural Hearths Fertile Crescent Indus River Valley Southeast Asia Central America Columbian Exchange	The Second Agricultural Revolution Advances of the Second Agricultural Revolution Impact of the Second Agricultural Revolution The Third Agricultural Revolution Green Revolution Hybrids GMO's Machinery	
26	27		<b>FINALS BLOCK PERIOD</b>		1
	Positive Impacts of the Green Revolution Higher Yields Money for Research and Business Food Prices Negative Impacts of the Green Revolution Gender Roles Economic Changes Poor Success in Africa	Agricultural Practices, Regions and Bioclimatic Zones Pastoral Nomadism Shifting Cultivation Plantation Mixed Crop and Livestock Grain Farming Spring Wheat Winter Wheat	Dairy Milk Shed Mediterranean Transhumance Livestock Ranching Intensive Subsistence Extensive Land Use Intensive Land Use Double Cropping Intercropping		
2	3	<b>EARLY RELEASE</b>		7	8
		Increasing intensity Beef Industry Feedlots Large Scale Farming vs. Small Family Farms	Bid Rent Curve Von Thunen's Model Horticulture Market Gardening	Global Supply Chain Commodity Chain Luxury Crops Monoculture Suitcase Farm	
9	10			14	15
	Environmental Effects Pollution Agricultural Chemicals Fossil Fuels Loss of Biodiversity Depletion of Water Land Cover Change Desertification Soil Salinization Animal Waste	Agricultural Practices and the Environment Slash and Burn Terraces Wetlands	Genetically Modified Organisms (GMO's) Aquaculture Urban Farming Community Supported Agriculture (CSA's) Organic Farming Value Added Specialty Crops	Fair Trade Local Food Movements Dietary Shifts Food Access Food Insecurity Food Deserts	
16	17			21	22
		Women in Agriculture Role in Food Production Role in Food Preparation	<b>REVIEW</b>	<b>UNIT EXAM</b>	

# Agricultural and Rural Land Use Patterns and Processes

## Unit 5 Vocabulary

Each of the following vocab terms and concepts will be included on the unit exam.

### 5.1 Introduction to Agriculture

- Agriculture
- Vegetative Agriculture
- Seed Agriculture
- The First Agricultural Revolution
- Subsistence Agriculture
- Commercial Agriculture

### 5.2 Settlement Patterns and Survey Methods

- Rural Settlement Patterns
  - Clustered
  - Dispersed
  - Linear
- Open Lot System
- Enclosure Movement
- Survey Methods
  - Metes and Bounds
  - Long Lot
  - Township and Range

### 5.3 Agricultural Origins and Diffusions

- Animal Domestication
- Plant Domestication
- Agricultural Hearths
  - Fertile Crescent
  - Indus River Valley
  - Southeast Asia
  - Central America
- Columbian Exchange

### 5.4 The Second Agricultural Revolution

- Advances of the Second Agricultural Revolution
- Impact of the Second Agricultural Revolution

### 5.5 The Green Revolution

- The Third Agricultural Revolution
- Green Revolution
  - Hybrids
  - GMO's
  - Machinery
- Positive Impacts of the Green Revolution
  - Higher Yields
  - Money for Research and Business
  - Food Prices
- Negative Impacts of the Green Revolution
  - Gender Roles
  - Economic Changes
  - Poor Success in Africa

### 5.6 Agricultural Production Regions

- Agricultural Practices, Regions and Bioclimatic Zones
  - Pastoral Nomadism
  - Shifting Cultivation
  - Plantation
  - Mixed Crop and Livestock
  - Grain Farming
    - Spring Wheat
    - Winter Wheat
  - Market Gardening
  - Dairy
    - Milk Shed
  - Mediterranean
    - Transhumance
  - Livestock Ranching
  - Intensive Subsistence
  - Extensive Land Use
  - Intensive Land Use
    - Double Cropping
    - Intercropping

### 5.7 Spatial Organization of Agriculture

- Increasing intensity
- Beef Industry
  - Feedlots
- Agribusiness
- Large Scale Farming vs. Small Family Farms

### 5.8 Von Thunen Model

- Bid Rent Curve
- Applying Von Thunen's Model
- Horticulture
- Market Gardening

### 5.9 The Global System of Agriculture

- Global Supply Chain
- Commodity Chain
- Luxury Crops
- Monoculture
- Suitcase Farm

### **5.10 Consequences of Agricultural Practices**

Environmental Effects

Pollution

Agricultural Chemicals

Fossil Fuels

Loss of Biodiversity

Depletion of Water Supplies

Land Cover Change

Desertification

Soil Salinization

Animal Waste

Agricultural Practices and the Environment

Slash and Burn

Terraces

Draining Wetlands

### **5.11 Challenges of Contemporary Agriculture**

Genetically Modified Organisms (GMO's)

Aquaculture

Urban Farming

Community Supported Agriculture (CSA)

Organic Farming

Value Added Specialty Crops

Fair Trade

Local Food Movements

Dietary Shifts

Food Access

Food Insecurity

Food Deserts

### **5.12 Women in Agriculture**

Role in Food Production

Role in Food Preparation

## Agricultural and Rural Land Use Patterns and Processes

### Unit 5 – Text Assignment – Chapter 11 and 13

	Questions	Length	Due
<b>Q1</b>	a) Describe and explain animal domestication and its impact on agriculture – When did it first occur? What animals have been domesticated? What are the animal domestication hearths?	1.5 pages	Friday 1/24
<b>Q2</b>	a) Write a four level analysis of the map on page 380. b) Explain how colonialism led to a reduction in subsistence agriculture. c) Explain how subsistence farmers continue to be pushed out of their traditional way of life.	1.5 pages	Monday 1/27
<b>Q3</b>	a) Write a four level analysis of the map on pages 388-389 - The impact section should focus on agriculture.	2 pages	Friday 2/7
<b>Q4</b>	a) Write a four level analysis of the map on pages 390-391.	2 pages	Monday 2/10
<b>Q5</b>	a) Write a four level analysis of the map on page 367. b) Describe and explain the rise of organic agriculture in the United States and in the world.	1.5 pages	Friday 2/ 14
<b>Q6</b>	a) Describe and explain the factors leading to a rise in global food prices and food insecurity.	1 page	Tuesday / Wednesday 2/18 2/19