

UNIT 5: AGRICULTURE AND RURAL LAND USE – Part 1

Directions: READING NOTES MUST BE HANDWRITTEN, THEY CANNOT BE TYPED. Print the reading guide, then complete by hand. Typed reading notes will earn a grade of zero.

Module 33: Introduction to Agriculture (Pages 470-486)

1. Key Concepts & Vocabulary

Key Vocabulary Term	Definition	Textbook Example
Agriculture		
Domesticated Plant		
Domesticated Animal		

2. What are the three most important elements of physical geography for agriculture?

- 1.
- 2.
- 3.

3. What nutrients are common in top soil and why are they important for agriculture?

4. Define topography. Explain how it impacts agricultural activity.

5. Key Concepts & Vocabulary

Key Vocabulary Term	Definition	Textbook Example
Climate		

6. Complete the table below on the four major climate groups.

Climate Group	Climate Types	Geographic distribution <i>Where in the world do we see the climate groups/types</i>

7. Key Concepts & Vocabulary

Key Vocabulary Term	Definition	Textbook Example
Intensive Agriculture		
Extensive Agriculture <i>Pg. 482</i>		

8. Define subsistence and commercial agriculture.

- **subsistence agriculture:**

- **commercial agriculture:**

9. Complete each chart for the type of agriculture listed.

Market Gardening				
Commercial or Subsistence	Description	Types of Crops Grown	Climate / Regions	Example

Plantation Agriculture				
Commercial or Subsistence	Description	Types of Crops Grown	Climate / Regions	Example

Mixed Crop/Livestock Agriculture				
Commercial or Subsistence	Description	Types of Crops Grown	Climate / Regions	Example

Rice Agriculture				
Commercial or Subsistence	Description	Types of Crops Grown	Climate / Regions	Example

Grain Agriculture				
Commercial or Subsistence	Description	Types of Crops Grown	Climate / Regions	Example

Dairy Farming				
Commercial or Subsistence	Description	Types of Crops Grown	Climate / Regions	Example

Shifting Cultivation				
Commercial or Subsistence	Description	Types of Crops Grown	Climate / Regions	Example

10. Key Concepts & Vocabulary

Key Vocabulary Term	Definition	Textbook Example
Intercropping		

Nomadic Herding (Pastoralism)				
Commercial or Subsistence	Description	Types of Crops Grown	Climate / Regions	Example

11. Key Concepts & Vocabulary

Key Vocabulary Term	Definition	Textbook Example
Transhumance <i>Use pg. 208 for definition</i>		

Livestock Ranching				
Commercial or Subsistence	Description	Types of Crops Grown	Climate / Regions	Example

12. Key Concepts & Vocabulary

Key Vocabulary Term	Definition	Textbook Example
Cereal Grains		
Cash Crop		
Livestock Fattening		
Feedlot		
Slash-and-Burn Agriculture		

Answers to Module 33 Multiple Choice Questions: 1(b), 2(c), 3(a), 4(d), 5(e)

Module 34: Settlement Patterns and Survey Methods (Pages 487-501)

1. Key Concepts & Vocabulary

Key Vocabulary Term	Definition	Textbook Example
Rural Settlement		

Agricultural Landscape		
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2. Describe the agricultural/rural landscape for each type of agricultural practice.

Intensive Agricultural Practices:

Market Gardening and Truck Farming	
Plantations	
Mixed Crop/Livestock	
Rice Farming	
Grain Farming	
Livestock Fattening	
Dairy Farming	

3. Describe the agricultural/rural landscape for each type of agricultural practice.

Extensive Agricultural Practices:

Shifting Cultivation	
Nomadic Herding	

Livestock Ranching	
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4. Key Concepts & Vocabulary

Key Vocabulary Term	Definition	Textbook Example
Settlement Patterns		

5. What is a clustered rural settlement?

6. Historically, why were clustered rural settlements created?

- First Reason:

- Second Reason:

7. What is a dispersed rural settlement?

8. What two conditions encourage dispersed rural settlements?

- First Reason:

- Second Reason:

9. What are linear rural settlements (long lots)?

10. Key Concepts & Vocabulary

Key Vocabulary Term	Definition	Textbook Example
Survey Methods		

11. Describe the U.S. Land Ordinance of 1785 and the township and range system.

Answers to Module 34 Multiple Choice Questions: 1(e), 2(c), 3(c), 4(e), 5(d)

Module 35: Agriculture Origins and Diffusions (Pages 501-512)

1. Key Concepts & Vocabulary

Key Vocabulary Term	Definition	Textbook Example
Domestication		
First Agricultural Revolution		

2. What was Carl Sauer’s theory on the process of domestication? Explain his opinion of the domestication process.

3. Complete the chart to explain the change from hunting and gathering to plant and animal domestication associated with the first agricultural revolution.

First Agricultural Revolution	
Plant Domestication	Animal Domestication

4. Key Concepts & Vocabulary

Key Vocabulary Term	Definition	Textbook Example
Hearths		

5. Use Figure 35.2 to indicate the location of the early agricultural hearths.



6. For each agricultural hearth, list the major crops and animals that were domesticated there.

Fertile Crescent

- Plants:
- Animals:

Indus River Valley

- Plants:
- Animals:

China, South Asia, & Southeast Asia

- Plants:
- Animals:

Africa

- Plants:
- Animals:

The Americas

- Plants:
- Animals:

7. Complete the chart for the Columbian Exchange

	Description	Type of Diffusion
Columbian Exchange		

8. How many years ago was the first agricultural revolution?

Answers to Module 35 Multiple Choice Questions: 1(d), 2(a), 3(c), 4(e), 5(b)

Module 36: The Second Agricultural Revolution (Pages 513-522)

1. Key Concepts & Vocabulary

Key Vocabulary Term	Definition	Textbook Example
Second Agricultural Revolution		

2. When did the Second Revolution take place?

3. Finish the sentence:

The Second Agricultural revolution most likely occurred...

4. How was most agricultural labor performed before the Second Agricultural Revolution?

5. Complete the chart explaining the improvement in the mechanization of agriculture associated with the Second Agricultural Revolution.

Seed Drill	
Steel Plow	
Mechanical Reaper	
Tractor	

6. How did improvements in transportation, such as railroads and canals, impact agriculture?

7. What is synthetic fertilizer? What impact did it have on crop yields?

8. What are pesticides? What impact do they have on crop yields?

9. Explain how the improvement of agricultural productivity associated with the second agricultural revolution impacted population growth.

Answers to Module 36 Multiple Choice Questions: 1(d), 2(d), 3(c), 4(b), 5(c)

Module 37: The Green Revolution (Pages 523-535)

1. Key Concepts & Vocabulary

Key Vocabulary Term	Definition	Textbook Example
Green Revolution <i>Third Agricultural Revolution</i>		

2. When did the Green Revolution occur?

3. *Finish the sentence:*

The Green Revolution was built on the...

4. Complete the chart to explain the three primary characteristics of the Green Revolution.

	Description	Impact on Crop Yields
Development & Use of High-Yield Seeds		
Increased Use of Synthetic Fertilizers & Chemical Pesticides		
Irrigation & Mechanization		

5. Key Concepts & Vocabulary

Key Vocabulary Term	Definition	Textbook Example
Double Cropping		
Multicropping		

6. Complete the chart below highlighting the positive and negative consequences of the Green Revolution. Provide specific details.

Positive Consequences	Negative Consequences

Answers to Module 37 Multiple Choice Questions: 1(d), 2(e), 3(c), 4(b), 5(c)