

Agriculture and Rural Land Use



Agricultural Vocab

1. Adaptive strategies
2. Agrarian
3. Agribusiness
4. Agricultural industrialization
5. Agricultural location model
6. Agricultural origins
7. Animal domestication
8. Aquaculture
9. Biotechnology
10. Collective farm
11. Commercial agriculture (intensive, extensive)
12. Core/periphery
13. Crop rotation
14. Cultivation regions
15. Dairying
16. Double cropping
17. Economic activity (primary, secondary, tertiary, quaternary, quinary)
18. Environmental modification (pesticides, soil erosion, desertification)
19. Extensive subsistence agriculture (shifting cultivation [slash-and-burn, swidden], nomadic herding/pastoralism)
20. Farm crisis
21. Feedlot
22. First agricultural revolution
23. Fishing
24. Food chain
25. Globalized agriculture
26. Green revolution
27. Hunting and gathering
28. Intensive subsistence agriculture
29. Livestock ranching
30. Mediterranean agriculture
31. Mining
32. Planned economy
33. Plant domestication
34. Plantation agriculture
35. Renewable/nonrenewable
36. Sauer, Carl O.
37. Second agricultural revolution
38. Specialization
39. Staple grains
40. Sustainable yield
41. Third agricultural revolution (mechanization, chemical farming, food manufacturing)
42. "Tragedy of the commons"
43. Transhumance
44. Truck farm
45. Von Thünen, Johann Heinrich

Subsistence Farming	Commercial Farming

1 st Agricultural Revolution	2 nd Agricultural Revolution	3 rd Agricultural Revolution

And Today.....

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Type				
LDC or MDC (Example)				
Process				
Vocab				
Crops				
Intensive or Extensive				
Commercial /Subsistence				
Labor/Capitol Intensive				
Type				
LDC or MDC (Example)				
Process				
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Intensive or Extensive				
Commercial /Subsistence				
Labor/Capitol Intensive				

• ISSUES FOR COMMERCIAL FARMERS

1. Complete the attached sheet on the von Thünen model from your reading of page 356.
2. How have efficient agricultural practices, fertilizers, and mechanical equipment, etc. created a problem for commercial farmers?
3. Read “US Government Policies” (p. 357) and complete the bullet chart which highlights current ways in which the US Government currently deals with excess agricultural capacity.
US GOVERNMENT POLICIES

-
-
-
-
-

4. What are the two principal practices that distinguish farmers practicing *sustainable agriculture* from those operating conventionally?

i.

ii.

<p>5. List three advantages of <i>ridge tillage</i>.</p> <p>a.</p> <p>b.</p> <p>c.</p>	<p>6. In what ways are animals treated differently in sustainable agriculture?</p>
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• ISSUES FOR SUBSISTENCE FARMERS

7. The “Boserup Thesis” considers a change in land use among shifting cultivators that could be described as (see text p. 358):



What is basically happening?

8. How does the increasing population play both a negative and positive role?

NEGATIVE POSITIVE

9. What is the **dilemma** that is faced by LDCs as they seek to increase the amount of export crops to sell to MDCs?

10. Some LDCs turn to the production of drug crops for export. The geography of these crops is distinctive. Identity the countries associated with the crops below.

Coca leaf	
Marijuana	
Opium	

• **STRATEGIES TO INCREASE FOOD SUPPLY**

11. Four strategies have been proposed to increase the world's food supply in places where populations are underfed.

- Expand current _____ land.
- Increase agricultural _____.
- Identify new food _____.
- Increase _____ from other countries.

12. There is little new land actually available for farming. In fact, the current trend is to reduce agricultural land rather than increase it. Identify and briefly describe three reasons why **land is currently being removed from agricultural use**.

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-
-

13a. List the two main practices of the **Green Revolution**.

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-

13b. Because of the Green Revolution, agricultural productivity at a global scale has _____ than _____.

13c. Describe the characteristics of the “**miracle wheat seed**.”

13d. Describe the characteristics of the “**miracle rice seed**.”

13e. What specific problems do farmers in LDC's have which might prevent them from taking full advantage of the green revolution?

14. List and briefly describe one problem with each of the strategies for increasing the world's food supply by **identifying new food sources**.

STRATEGY	PROBLEM
a.	
b.	
c.	

4a. What are the three top export grains in the world?

4b. Use map on p. 481 and list the five largest grain exporting countries.

4c. Shade and label five of the largest grain importing countries AND show what country(ies) the imports are coming from.



APHG
2nd Agricultural Revolution &
Von Thunen's Model

Name: _____

Date: _____ **Period:** _____

1. What was the 2nd Agricultural Revolution? When did it occur?
2. What were some of the major innovations that were introduced during the 2nd agricultural revolution?
3. Explain how the Industrial Revolution coincides with the Second Agricultural Revolution.
4. Why did Johann Heinrich Von Thunen (1783-1850) analyze agricultural location?
5. Describe where each of the concentric rings is located around the central city and WHY it is located there:

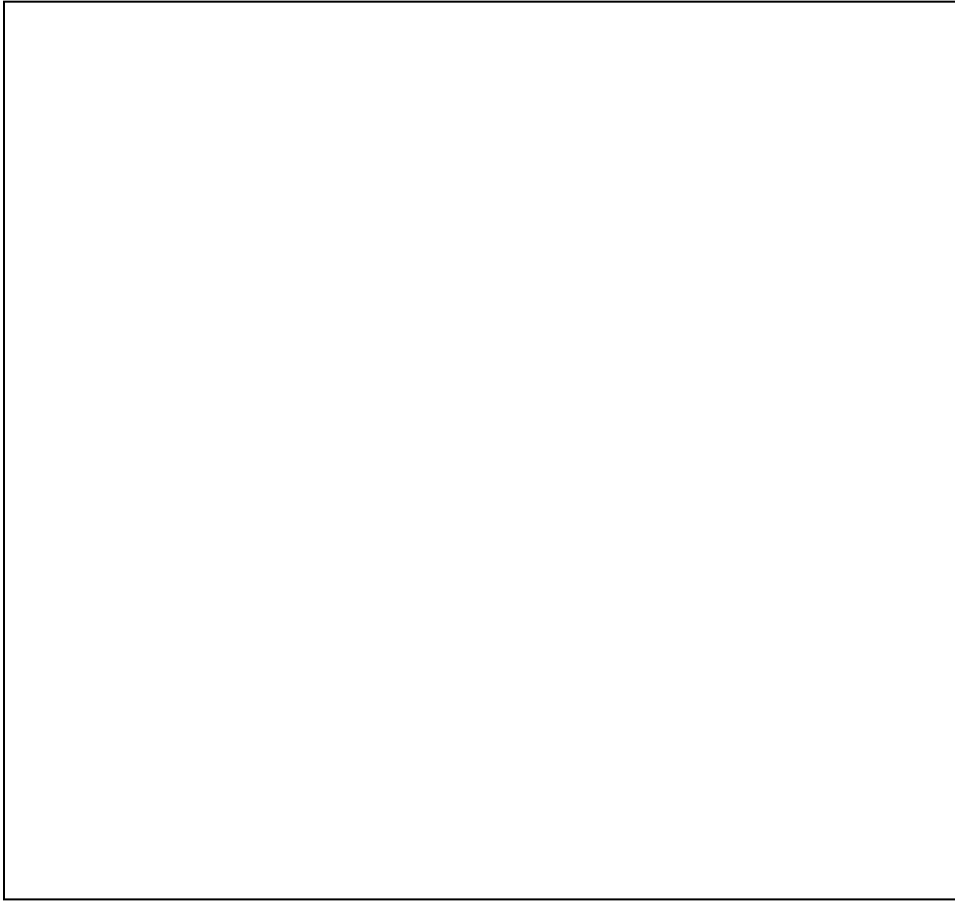
Ring 1. _____
Details/why?

Ring 2. _____
Details/why?

Ring 3. _____
Details/why?

Ring 4. _____
Details/why?

4. Draw and Label Von Thunen's Model



5. Von Thünen's model assumed 6 basic truths. List and explain each one:

1)

2)

3)

4)

5)

6)

6. How does von Thunen's model still apply with today's changing agricultural world? Explain.

AP Human Geography
Unit of Study: Agriculture

Vocabulary:

Agribusiness-	Hunting and gathering-
Agricultural origins-	Intensive subsistence-
Agriculture-	Livestock ranching-
Animal domestication -	Luxury crops-
Biotechnology-	Mediterranean agriculture-
Cereal grain-	Pastoral nomadism-
Combine-	Pasture-
Commercial agriculture-	Plantation-
Crop-	Plant domestication-
Crop rotation-	Ranching-
Dairying-	Reaper-
Double cropping-	Seed agriculture-
Farming-	Slash-and-burn agriculture-
Grain-	Shifting cultivation-
Green Revolution-	Subsistence farming-
Horticulture-	

Topics and Concepts:

1. Early human activity – locations, activities, tools, fire, fishing
2. Primary, Secondary, Tertiary, and Quaternary economies – what activities take place?
3. First (Neolithic) Agricultural Revolution
4. Second Agricultural Revolution
5. Third (Green) Agricultural Revolution
6. Peripheral Agriculture vs. Core Agriculture activities around the world
7. Distribution of agricultural activities in the US and Worldwide (major uses of land)
8. Where did agriculture originate
9. Von Thunen Model
10. Risks of single crop economies

Review...

1. Chapter 10 of Rubenstein
2. Notes and handouts