

p. 326 Intro and Key Issue 1 - *Where Did Agriculture Originate?*

1. In what sector of the economy does agriculture fit? \_\_\_\_\_
2. Geographers study what regarding agriculture? \_\_\_\_\_
3. What happens to most agriculture products in LDCs? \_\_\_\_\_ MDCs? \_\_\_\_\_
4. What factors set limits on agricultural practices? \_\_\_\_\_
5. Define *agriculture*: \_\_\_\_\_
6. Define *crop*: \_\_\_\_\_
7. What are the characteristics of a *hunter-gatherer society*? \_\_\_\_\_
8. How many hunter-gatherers are there today? \_\_\_\_\_
9. Where do they live? \_\_\_\_\_
10. What are the two types of soil cultivation according to Sauer? \_\_\_\_\_
11. Indicate the crop hearths of vegetative planting on the map #1 below with diffusionary routes. On map #2 do the same for seed planting.



12. Write a brief summary using text info explaining map #1 in a min of 75 words:

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13. Write a brief summary using text info explaining map #2 in a min of 75 words:

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14. Define *subsistence agriculture*: \_\_\_\_\_ *commercial* \_\_\_\_\_

15. What are the 5 principal features that separate commercial agriculture from subsistence agriculture? \_\_\_\_\_

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16. Read pgs. 331-333 and complete the chart below with important information. The text will generally explain commercial agriculture, and you will need to deduce the situation of subsistence agriculture on your own.

	Subsistence Agriculture (Mostly in LDCs)	Commercial Agriculture (Mostly in MDCs)
Purpose of Farming	1. _____ 2. _____ 3. _____	1. _____ 2. _____ 3. _____
% of Farmers in Labor Force	1. _____ 2. _____ 3. _____	1. _____ 2. _____ 3. _____
Use of Machinery	1. _____ 2. _____ 3. _____	1. _____ 2. _____ 3. _____
Farm Size	1. _____ 2. _____ 3. _____	1. _____ 2. _____ 3. _____
Relationship of farming to other businesses	1. _____ 2. _____ 3. _____	1. _____ 2. _____ 3. _____

17. Who developed one of the first maps of agricultural development? \_\_\_\_\_

18. Using Figure 10-5 compare the map of climates (top) with agricultural practices. What are **main** ag practices in the following climates?

	Commercial or Subsistence?	Type?
Humid Low latitude	_____	_____
	_____	_____
	_____	_____
Dry	_____	_____
	_____	_____
	_____	_____
Warm Mid-Latitude	_____	_____
	_____	_____
	_____	_____
Cold Mid-Latitude	_____	_____
	_____	_____
	_____	_____
Undifferentiated Highlands	_____	_____
	_____	_____
	_____	_____

## p. 335 Key Issue 2 - Where Are Agricultural Regions in Less Developed Countries?

1. In what climate does shifting cultivation predominate? \_\_\_\_\_
2. And, what are its two characteristics? \_\_\_\_\_
3. Identify the two hallmarks of the technique of shifting cultivation.

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4. Explain the process of swidden cultivation: \_\_\_\_\_

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5. What are some of the main crops of swidden? \_\_\_\_\_

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6. Case Study: A Kayapo swidden field in Brazil's Amazon region. Make notes and draw a diagram to illustrate the description given in the text.

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7. How is land owned in a typical village that practices shifting cultivation? \_\_\_\_\_

8. What percentage of the world's land area is devoted to shifting cultivation? \_\_\_\_\_

9. Shifting cultivation is being replaced by what? \_\_\_\_\_

10. Describe the PROS and CONS of shifting cultivation, or the arguments made for it and criticisms leveled against it in the space below.

Pros (Arguments against replacing shifting cultivation)	Cons (How is shifting cultivation being replaced?)

11. What is *pastoral nomadism*? \_\_\_\_\_

12. In what type of climate is it usually found? \_\_\_\_\_

13. What regions of the world are currently occupied by this practice? \_\_\_\_\_

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14. How do pastoral nomads obtain grain (several ways)? \_\_\_\_\_

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15. What animals are chosen, and where? \_\_\_\_\_

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16. Describe territoriality among pastoral nomads. \_\_\_\_\_

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17. What is *transhumance*? \_\_\_\_\_

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18. In what way do modern governments currently threaten pastoral nomadism? \_\_\_\_\_

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19. What is meant by "intensive"? \_\_\_\_\_

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20. Where is intensive subsistence agriculture practiced? Why there? \_\_\_\_\_

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21. What is "wet rice"? \_\_\_\_\_

22. What is "sawah"? \_\_\_\_\_ What is a "paddy"? \_\_\_\_\_

23. Explain the process of harvesting rice: \_\_\_\_\_

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24. What is double-cropping? \_\_\_\_\_

25. Where is double-cropping possible? \_\_\_\_\_ Where is it not? \_\_\_\_\_

26. In areas of intensive subsistence agriculture where wet rice is not dominant, what are the major crops? \_\_\_\_\_

27. How are multiple harvests made possible in these less mild regions? Explain. \_\_\_\_\_

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28. Make some important notes about intensive subsistence farming in communist China.

Agriculture in Communist China	
Agriculture following the communist revolution, communes.	Agriculture in communist China today, post-commune.

29. Define and describe plantation farming by filling out the chart below.

Plantation		
Regions:		
Situated In:	Operated By:	Workers:
Types of Crops:	Definition:	

30. Summarize this section regarding the origin and practice of agriculture in a min of 75 words:

[illegible]

p. 342 Key Issue 3 - *Where Are Agricultural Regions in More Developed Countries?*

1. What are the 6 main types of commercial agriculture in MDCs?

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2. Where is mixed crop and livestock farming common? \_\_\_\_\_

3. What are 3 characteristics of this type of farming? \_\_\_\_\_

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4. In what different ways is the corn used? \_\_\_\_\_

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5. Where is the U.S. Corn Belt, and what crops are grown there? \_\_\_\_\_

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6. Define *fallow* and describe how it relates to crop rotation. \_\_\_\_\_

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7. Define *cereal grains* and describe how it relates to crop rotation. \_\_\_\_\_

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8. Define *rest crop* and describe how it relates to crop rotation. \_\_\_\_\_

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9. Where is dairy farming mainly found? \_\_\_\_\_

10. What is a *milkshed*? \_\_\_\_\_

11. Why do some regions specialize in "milk products" like cheese and butter rather than fluid milk? Identify some of these important regions.

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12. What country is the world's largest producer of dairy products? \_\_\_\_\_

13. What problems do dairy farmers currently face? \_\_\_\_\_

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14. What is the principal difference between grains grown in "commercial grain farming" regions &amp; those in "mixed crop and livestock" regions?

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15. What is the most significant crop grown? \_\_\_\_\_

16. What is the significance of wheat as a crop? \_\_\_\_\_

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17. Identify the three regions of large-scale grain production in North America. \_\_\_\_\_

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18. How do farmers and combine companies make use of the fact that the wheat matures at different times in the spring and winter wheat belts?

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19. Define *ranching*: \_\_\_\_\_

20. What type of climate is livestock best adapted to? \_\_\_\_\_ And, where is ranching practiced? \_\_\_\_\_

21. Why did cattle ranching expand in the U.S.? \_\_\_\_\_

22. Why did cattle ranching decline? \_\_\_\_\_

23. Where does cattle ranching take place today? \_\_\_\_\_

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24. Define *feed lots*: \_\_\_\_\_

25. Make brief notes to describe the following:

Ranching in Argentina	Ranching in Australia

26. What were the three U.S. and world stages of ranching? \_\_\_\_\_

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27. Describe the conditions of Mediterranean climate and agriculture. \_\_\_\_\_

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28. Most crops in Mediterranean lands are grown for \_\_\_\_\_ rather than for \_\_\_\_\_.

29. What is *horticulture*? \_\_\_\_\_

30. List the two most important cash crops of Mediterranean regions. \_\_\_\_\_

31. Describe the role (and changing role) of California in Mediterranean agriculture. \_\_\_\_\_

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32. What three conditions make the southeast U.S. an ideal location for this type of agriculture? \_\_\_\_\_

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33. What is "specialty farming" and where has it spread in the U.S.? \_\_\_\_\_

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And, give examples of specialty crops. \_\_\_\_\_

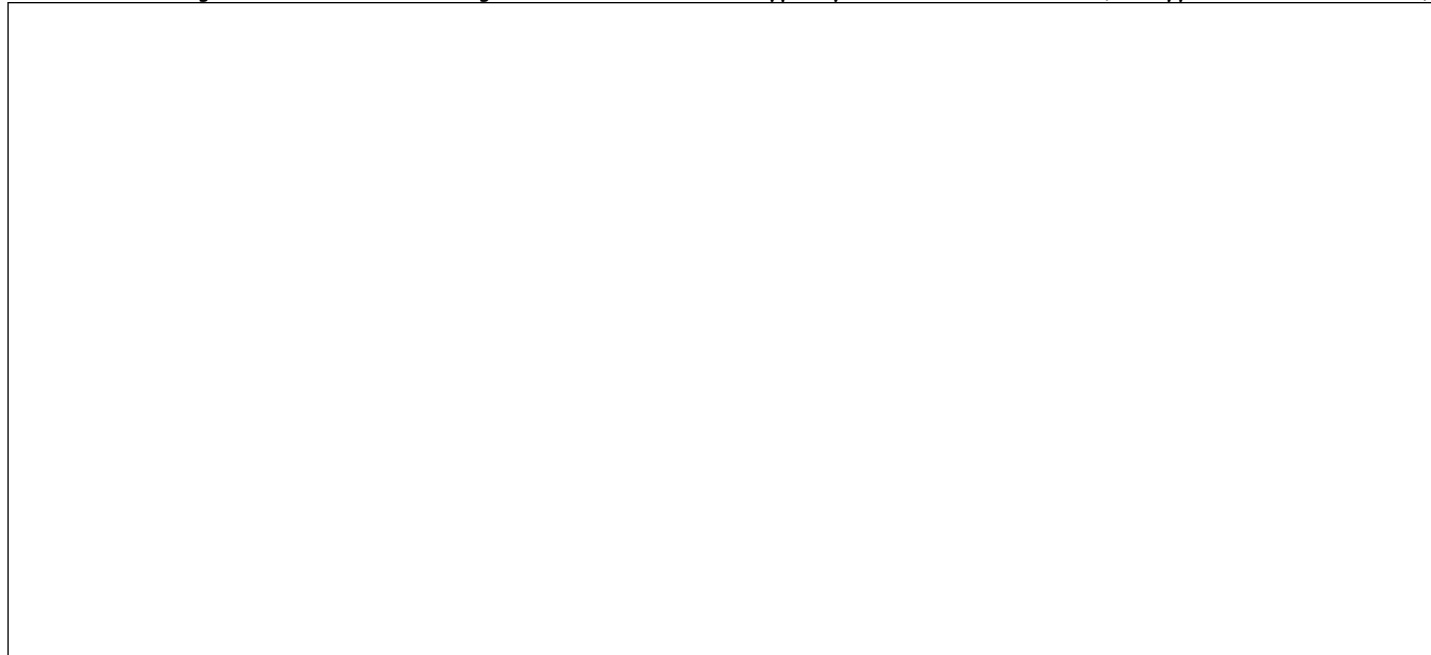
34. Who was von Thunen? \_\_\_\_\_

35. According to this model, what two factors does a farmer consider when deciding what to plant? \_\_\_\_\_

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36. Draw a sketch of agricultural land use according to von Thunen **AND** what typically would be found in each (see *Application of Von Thunen*)



37. How does cost determine what farmers grow? \_\_\_\_\_

38. What two items must a farmer consider to determine the most profitable crop? \_\_\_\_\_

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39. How does distance affect what a farmer will grow? \_\_\_\_\_

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40. List things that von Thunen did NOT consider in his model but which influence farmers' choices of crops. (Note, these might be cited as weaknesses or criticisms of his model)

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41. How could von Thunen's model be applied at a global scale? \_\_\_\_\_

## p. 351 Key Issue 4 - Why Do Farmers Face Economic Difficulties?

1. How have efficient agricultural practices, fertilizers and mechanical equipment, etc. created a problem for commercial farmers?

2. Create 3 bulleted points that highlight current ways in which the U.S. govt currently deals with excess agriculture capacity, and explain each.

3. Define *sustainable agriculture*: \_\_\_\_\_

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

5. List the advantages of ridge tillage. \_\_\_\_\_

6. Explain the challenge of using chemicals in modern day agriculture: \_\_\_\_\_

7. In what ways are animals treated differently in sustainable agriculture? \_\_\_\_\_

8. How is this a benefit? \_\_\_\_\_

9. What two challenges are faced by subsistence farmers in LDCs? \_\_\_\_\_

10. What is the main idea of the Boserup thesis? \_\_\_\_\_

11. According to the "Boserup Thesis", in what TWO ways can subsistence farmers increase food supply? \_\_\_\_\_

12. Identify and explain the 5 types of "fallow" according to Boserup:

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

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

Cocoa Leaf	
Marijuana	
Opium	

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

16. 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 EXPLAIN three reasons why land is currently being removed from agricultural use.

