

Unit 5: Agriculture and Rural Land Use

Chapter 11 (pages 328-360)

Preview, Vocabulary and Concepts, and Reading Questions

Goal 5. The student will demonstrate understanding of agricultural and rural land use.

Objectives:

- a. Analyze the development and diffusion of agriculture including;
 1. Neolithic Agricultural Revolution
 2. Second Agricultural Revolution
- b. Identify major agricultural production regions in terms of:
 1. Agricultural systems associated with major bioclimatic zones
 2. Variations within major zones and effects of markets
 3. Linkages and flows among regions of food production and consumption
- c. Evaluate rural land use and settlement patterns including:
 1. Models of agricultural land use, including Von Thünen’s model
 2. Settlement patterns associated with major agriculture types
 3. Land use/land cover change including desertification and deforestation
- d. Assess modern commercial agriculture including:
 1. Third agricultural revolution
 2. Green Revolution
 3. Biotechnology
 4. Spatial organization and diffusion of industrial agriculture
 5. Future food supplies and environmental impacts of agriculture.

Part 1: Preview Activity: Investigating Images

Chapter	Page #	Title of Image	Description of Image
Chapter 11 Agriculture	Page 328	Changing Greens Presho, South Dakota	Soybeans growing in the semi-arid ranchlands of SD.

Part II and Part III: Vocabulary: Define term and include an example or image (50/50 split)

Vocabulary Term	Definition/Identification	Example	Image
1. Agriculture	The deliberate tending of crops and livestock to produce food, feed & fiber.		

1. agriculture (331):
2. primary economic activity (331):
3. secondary economic activity (331):
4. tertiary economic activity (331):
5. quaternary economic activity (331):
6. quinary economic activity (331):
7. plant domestication (332):
8. root crops (332):
9. seed crops (333):
10. First Agricultural Revolution (333):
11. animal domestication (334):
12. subsistence agriculture (337):
13. extensive subsistence farming:
14. shifting cultivation/swidden agriculture (338):
15. slash-and-burn cultivation/milpa agriculture/patch agriculture (338):
16. crop rotation:
17. pastoral nomadism:

18. intensive subsistence agriculture:
19. intertillage:
20. Second Agricultural Revolution (349):
21. Von Thunen model (340):
22. market-gardening activities:
23. feedlot:
24. food chain:
25. Green Revolution/Third Agricultural Revolution (341):
26. genetically modified organisms (GMOs)/genetically engineered crops (GE) (342):
27. biotechnology/genetic engineering:
28. double cropping:
29. cadastral system (344):
30. rectangular survey system (344):
31. town-and-range system (344):
32. metes and bounds system (344):

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| <p>33. longlot survey system (344):</p> <p>34. primogeniture (344):</p> <p>35. traditional farm -village (345):</p> <p>36. dispersed rural settlement (345):</p> <p>37. nucleated settlement (345):</p> <p>38. linear settlement (346):</p> <p>39. round or roundling settlement (346):</p> <p>40. walled settlements (346):</p> <p>41. commercial agriculture/farming (349):</p> <p>42. monoculture (349):</p> <p>43. plantation agriculture (351):</p> <p>44. livestock ranching (356):</p> <p>45. Mediterranean agriculture (356):</p> <p>46. dairy farming:</p> <p>47. mixed livestock with crop production:</p> | <p>48. specialized fruit production:</p> <p>49. truck farms:</p> <p>50. suitcase farms:</p> <p>51. agricultural industrialization:</p> <p>52. grain farming:</p> <p>53. staple grains:</p> <p>54. farm crisis:</p> <p>55. environmental modification:</p> <p>56. desertification:</p> <p>57. agribusiness (357):</p> <p>58. aquaculture:</p> <p>59. planned economy:</p> <p>60. debt-for-nature swap:</p> <p>61. tragedy of the commons:</p> <p>62. renewable resources:</p> <p>63. nonrenewable resources:</p> <p>64. mineral fuels:</p> <p>65. extractive industries:</p> |
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Part IV: Reading Guide Questions. Make sure to write in complete sentences.

Chapter 11 (page 328)

1. Use the three terms in a sentence: cadastral system, metes and bounds survey and natural features.
2. What is the relationship between monoculture and colonial agriculture?
3. How does plantation agriculture aid LDC's development? How does it slow or prevent development?
4. What is the relationship between Von Thunen and spatial distribution of agricultural activities?
5. What is the relationship between Johann Heinrich, Von Thunen and concentric zones?
6. What is one environmental concern about genetically engineered foods? Use the three terms in a sentence: biotechnology, Third Agricultural Revolution, and genetically engineered crops.
7. What is the relationship between famine and political instability?
8. What problems do hunter-gatherers in the modern world face?