

AP Human Geography
Unit V. Agricultural and Rural Land Use

Outline with Corresponding Multiple Choice Questions

V. Agriculture and Rural Land Use (1)

- A. Development and diffusion of agriculture (14, 15)**
 - 1. Neolithic Agricultural Revolution (16, 17, 21, 22, 23)**
 - a. Agricultural hearths (18, 19, 24, 25)
 - b. Diffusion of agriculture practices (4, 20, 26)
 - 2. Second Agricultural Revolution (31)**
 - a. Evolution of crop rotation systems (27)
 - b. Technological innovations (28)
 - c. Agriculture and the Industrial Revolution (29, 30)
 - 3. The Green Revolution (third agricultural revolution)**
 - a. Benefits and drawbacks (119, 120, 121)
 - b. Case studies: South Asia, Indonesia, and Africa
 - 4. Modern Commercial Agriculture (fourth agricultural revolution)**
- B. Major agricultural production regions (7, 8, 9, 10, 11, 12, 13, 32, 33, 55)**
 - 1. Agricultural systems associated with major bioclimatic zones**
 - a. Shifting cultivation (34, 35, 36, 37, 38, 39, 50)
 - b. Pastoral nomadism (40, 41, 42, 43, 44, 45, 46, 47, 49, 50, 51)
 - c. Intensive subsistence, wet rice dominant (3, 48, 52, 53)
 - d. Intensive subsistence, wet rice not dominant (152)
 - e. Mixed crop and livestock (148)
 - f. Dairy (59, 60, 61, 62, 63, 64)
 - g. Grain (65, 66, 67, 68, 69, 70, 71, 72, 73)
 - h. Livestock ranching (74, 75, 76, 77)
 - i. Mediterranean (78, 79, 80, 81, 82)
 - j. Commercial gardening (83, 84, 85, 86, 87, 89, 90)
 - k. Plantation (91, 92, 93, 94, 95, 96, 97, 98)
 - 2. Variations within major zones and effects of markets**
 - a. Case studies: California, Spain, Chile, & urban areas
 - b. Effects of markets
 - Impact of size
 - Impact of distance and modes of transportation (99)
 - Impact of level economic development
 - c. Impact of Culture on Agricultural systems (143)
 - 3. Linkages and flows among regions of food production and consumption**
 - a. Rural/urban
 - b. Least Developed Countries (LDCs)/More Developed Countries (MDCs) (144, 145)
 - c. Impact of demand for dairy products, fresh vegetables & fruits (88)
 - d. Role of transportation improvements (100)

C. Rural land use and settlement patterns

- 1. Models of agricultural land use, including von Thunen's Model**

- a. von Thunen's Model & access to market (**54, 101, 102, 103, 104**)
 - b. Applications of von Thunen's Model (**105, 106, 107, 108, 109, 110**)
 - c. Boserup's theory (130, 131)
- 2. Settlement patterns associated with major agricultural types**
- a. Subsistence agriculture
 - b. Nucleated rural settlements
 - Village forms (linear, clustered, circular, walled, & grid) (**113, 114, 115, 116**)
 - c. Commercial agriculture
 - d. Dispersed rural settlements
 - Township and Range System (**111, 117, 118**)
- 3. Land use/land cover change, irrigation, conservation (desertification, deforestation)**
- a. Irrigation and the expansion of agriculture into semi arid and desert regions (U.S. Southwest, Central Valley of CA, Israel, & Spain)
 - b. Conservation – preservation of topsoil, habitat, grasslands, forests, and riparian areas
 - c. Desertification (U.S. Southwest, northern Mexico, & the Sahel)
 - d. Deforestation (Europe, U.S.A., and the tropics) (**132, 147**)
- D. Modern commercial agriculture (2, 5, 6, 56, 57, 112, 123, 129, 140, 141, 142)**
- 1. Biotechnology including genetically modified plants and animals**
- a. GMOs and the frontiers of agriculture? (**124, 125, 126, 149**)
- 2. Spatial organization and diffusion of industrial agriculture**
- a. Transfer of technology
 - Seeds, pesticides, fertilizers, and irrigation systems (dams)
 - b. Role of globalization (**128**)
 - c. Case studies: wine production, luxury foods, and tropical foods
- 3. Organic farming and local food production**
- a. Sustainable and organic agriculture (**133, 134, 135, 138, 139**)
 - b. Local food production (community supported agriculture (CSAs) and farmer's markets) (**150, 151**)
- 4. Environmental impacts of agriculture (58, 122, 127, 136, 137)**
- a. Deforestation
 - b. Desertification
 - c. Soil erosion
 - d. Water quality
 - e. Transportation miles & fossil fuels
 - f. Fisheries depletion and aquaculture (**146**)