

Unit Lesson

Objectives

AGRICULTURE, FOOD PRODUCTION, AND RURAL LAND USE

Introduction to
Agriculture

Explain connections between the physical environment and types of agricultural practices around the world.

Intensive and Extensive
Agriculture

Analyze the different agricultural practices and connect these practices to either intensive or extensive agriculture.

Settlement Patterns and
Survey Methods

Identify and explain rural land-use patterns and rural settlement patterns and the benefits and drawbacks to each.

Agricultural Origins and
Diffusions

Explain the origin of the domestication of plants and animals and the diffusion of those practices.

The Second Agricultural
Revolution

Explain the cause and effect of the Second Agricultural Revolution and the impact of technological advancements on agricultural practices.

The Green Revolution

Define the Green Revolution and explain the positive and negative impacts of the Green Revolution on people and their environment.

Case Study: The Green
Revolution

Identify the positive and negative attributes of the Green Revolution and justify the practice with modern examples.

Agricultural Production:
Subsistence and
Commercial

Unit	Lesson	Objectives
	Spatial Organization of Agriculture	Explain connections between practices of subsistence agriculture and commercial agriculture and the economic influences on each practice.
	The Von Thünen Model	Explain topics including commercial agriculture replacing family farms, commodity chains, economies of scale, and carrying capacity.
	Project: Change from the Von Thünen Model	Describe the von Thünen model as it applies to rural land use, considering the values of crops and transportation costs to market.
	The Global System of Agriculture	Interpret the factors of land-use patterns and how/why they have changed in the modern era of agriculture.
	Agricultural Innovations	Explain how agriculture in a global system includes distribution of food, dependency on export commodities, infrastructure, and relationships between countries.
	Contemporary Agricultural Movements	Describe the purpose of innovations such as biotechnology, GMOs, and aquaculture and the benefits and drawbacks they pose to the various levels of agriculture.
	Consequences of Agricultural Practices: Environmental	Define how each of the contemporary agricultural movements has influenced food production and/or consumption.
	Consequences of	Explain the impact of agricultural practices on the environment and describe each of the environmental effects of agriculture.

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	Agricultural Practices: Social Effects and Cultural Landscape	Describe the social and cultural effects of agriculture.
	Challenges of Feeding the Global Population	Explain how food insecurity and food deserts illustrate lack of food access and connect the impact of adverse weather on agricultural outputs.
	Women in Agriculture	Explain the role of women in food production and consumption and connect specific geographic examples from the United States and the world.
	Review: Agriculture, Food Production, and Rural Land Use	<p>Explain connections between the physical environment and types of agricultural practices around the world.</p> <p>Analyze different agricultural practices and connect these practices to either intensive or extensive agriculture.</p> <p>Identify and explain rural land-use patterns and rural settlement patterns and the benefits and drawbacks to each.</p> <p>Explain the origin of the domestication of plants and animals and the diffusion of those practices.</p> <p>Explain the cause and effect of the Second Agricultural Revolution and the impact of technological advancements on agricultural practices.</p> <p>Define the Green Revolution and explain the positive and negative impacts of the Green Revolution on people and their environment.</p> <p>Explain connections between practices of subsistence agriculture and commercial agriculture and the economic influences on each practice.</p> <p>Explain topics including commercial agriculture replacing family farms, commodity chains, economies of scale, and carrying capacity.</p> <p>Describe the Von Thünen model as it applies to rural land use, considering the values of crops and transportation costs to</p>

Unit Lesson

Objectives

market.

Explain how agriculture in a global system includes distribution of food, dependency on export commodities, infrastructure, and relationships between countries.

Describe the purpose of innovations such as biotechnology, GMOs, and aquaculture and the benefits and drawbacks they pose to the various levels of agriculture.

Define how each of the contemporary agricultural movements has influenced food production and/or consumption.

Explain the impact of agricultural practices on the environment and describe each of the environmental effects of agriculture.

Describe the social and cultural effects of agriculture.

Explain how food insecurity and food deserts illustrate lack of food access and connect the impact of adverse weather on agricultural outputs.

Explain the role of women in food production and consumption and connect specific geographic examples from the United States and the world.

Test

CITIES AND URBAN LAND USE

The Origin and
Influences of
Urbanization

Explain how geographic location, environmental features, natural resources, and infrastructure play an important role in the growth of cities and explain what factors influence urbanization and regional urban center growth.

Megacity and Metacity

Using population growth forecasts, explain the changing impact and characteristics of megacities and metacities around the world.

Project: Megacities
around the World

Explain the significance of geographic similarities and differences among megacities and metacities in different locations and/or at different times.

Unit	Lesson	Objectives
	Suburbanization, Sprawl, and Decentralization	Describe the process of suburbanization and explain new land use patterns that have emerged alongside suburbanization, including edge cities, exurbs, and boomburbs.
	Cities and Globalization	Explain world cities and urban hierarchy as well as the connection between cities.
	The Size of Cities	Define and apply the rank-size rule and primate city rule with example populations and the advantages and disadvantages to each.
	The Distribution of Cities	Connect the range and threshold to Christaller's central place theory and explain how this theory relates to city distribution and size.
	The Internal Structure of Cities	Describe and provide real-world examples of the models and theories used to organize the structures of cities, including the bid-rent theory, the concentric zone model, the sector model, the multiple nuclei model, the urban realms model, the galactic city model, the Latin American city model, the Southeast Asia city model, the Islamic city model, and the African city model.
	Project: City Structures	Identify the differences between the urban models and compare real world cities with the urban model most closely related in structure.
	Density and Land Use	Explain the different patterns of land use and how it is applied in residential areas.
	Urban Sustainability Initiatives: New Urbanism and Greenbelts	Identify the characteristics that make an infrastructure either strong or weak by determining the impact on a city's economic and social development.

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	Urban Sustainability Initiatives: Smart-Growth and Slow-Growth	Define sustainability-focused urban design plans and determine if plans are connected to smart-growth or slow growth cities.
	Urban Data	Analyze census and survey data to find quantitative data and field study reports and narratives to find qualitative data about population changes in urban areas.
	Economic and Social Challenges to Urbanization	Explain the economic and social complications that arise as a result of urbanization.
	Squatter Settlements and Response to Urbanization	Explain why squatter settlements are increasing in large cities, and identify how governments respond to urban issues and address governmental shortcomings.
	Gentrification and Government Fragmentation at the Local Scale	Define and discuss positives and limitations of urban renewal and gentrification.
	Challenges of Urban Sustainability—Part 1	Explain challenges to urban sustainability, including suburban sprawl, sanitation, climate change, air and water quality, ecological footprint, and energy use.
	Challenges of Urban Sustainability—Part 2	Explain responses to urban sustainability, including regional planning, redevelopment/remediation of brownfields, urban growth boundaries, and farmland protection.

Unit Lesson

Objectives

Review: Cities and Urban
Land Use

Explain how geographic location, environmental features, natural resources, and infrastructure play an important role in the growth of cities and explain what factors influence urbanization and regional urban center growth.

Using population growth forecasts, explain the changing impact and characteristics of megacities and metacities around the world.

Describe the process of suburbanization and explain new land use patterns that have emerged alongside suburbanization, including edge cities, exurbs, and boomburbs.

Explain world cities and urban hierarchy as well as the connection between cities.

Define and apply the rank-size rule and primate city rule with example populations and the advantages and disadvantages to each.

Connect the range and threshold to Christaller's central place theory and explain how this theory relates to city distribution and size.

Describe and provide real-world examples of the models and theories used to organize the structures of cities, including the bid-rent theory, the concentric zone model, the sector model, the multiple nuclei model, the urban realms model, the galactic city model, the Latin American city model, the Southeast Asia city model, the Islamic city model, and the African city model.

Explain the different patterns of land use and how it is applied in residential areas.

Identify the characteristics that make an infrastructure either strong or weak by determining the impact on a city's economic and social development.

Define sustainability-focused urban design plans and determine if plans are connected to smart-growth or slow growth cities.

Analyze census and survey data to find quantitative data and field study reports and narratives to find qualitative data about population changes in urban areas.

Explain the economic and social complications that arise as a result of urbanization.

Explain why squatter settlements are increasing in large cities and identify how governments respond to urban issues and address governmental shortcomings.

Define and discuss positives and limitations of urban renewal and gentrification.

Explain challenges to urban sustainability, including suburban sprawl, sanitation, climate change, air and water quality,

Unit Lesson

Objectives

ecological footprint, and energy use.

Explain responses to urban sustainability, including regional planning, redevelopment/remediation of brownfields, urban growth boundaries, and farmland protection.

Test

INDUSTRIALIZATION AND ECONOMIC DEVELOPMENT

The Industrial Revolution

Explain the causes and significant events of the Industrial Revolution that led to the diffusion of technology around the world.

Effects of the Industrial
Revolution

Explain how industrialization impacted city growth and class structure and contributed to the rise of colonialism and imperialism.

Project: Economic
Sectors and Patterns

Explain the causes and significant events of the Industrial Revolution that led to the diffusion of technology around the world.

Economic Sectors and
Patterns

Define the different economic sectors, and describe how an economic sector's role changes as the country becomes more developed.

Spatial Patterns of
Economic Sectors

Describe the different economic sectors and spatial patterns of industrialization, including the core, periphery, and semi-periphery locations.

Measures of
Development

Describe social and economic measures of development and explain possible limitations of the data provided.

Gender Inequality Index

Unit Lesson

Objectives

Explain how the Gender Inequality Index is measured and why it is a significant tool in the global world and assists in understanding development.

Human Development Index

Explain and identify the different parts of the Human Development Index (HDI) and the significance of the scores being either high or low.

Women and Economic Development

Discuss how the roles of women change as a country becomes more economically developed and ways that women still do not have full equity.

Rostow's Stages of Economic Development

Identify the parts of Rostow's stages of economic development and explain how this theory determines spatial variations in development.

Wallerstein's World System Theory

Summarize and discuss how Wallerstein's world systems theory explains spatial variation in development.

Dependency Theory and Commodity Dependence

Summarize and discuss how dependency theory and commodity theory both explain spatial variation in development.

Trade and the World Economy

Define complementarity and comparative advantage as they relate to trade and the world economy, and explain how government initiatives can impact economic development.

New Organizations, Independent Economies, and Outsourcing

Explain how supranational organizations inspire globalization and new spatial connections, and how outsourcing shifts jobs

Unit Lesson

Objectives

from core to periphery countries.

Changes as a Result of
the World Economy

Explain how and why each of the economic elements/industries developed and where each continues to thrive in the modern global economic landscape.

Sustainable
Development

Explain the issues that sustainable development policies hope to address and relate these ideas to the UN's Sustainable Development Goals (SDGs) and their likelihood of realizing these goals in adequate time.

Project: Sustainable
Development Goals

Explain the issues that sustainable development policies hope to address and relate these ideas to the UN's Sustainable Development Goals (SDGs) and their likelihood of realizing these goals in adequate time.

Review: Industrialization
and Economic
Development

Explain the causes and significant events of the Industrial Revolution that led to the diffusion of technology around the world.

Explain how industrialization impacted city growth and class structure and contributed to the rise of colonialism and imperialism.

Define the different economic sectors, and describe how an economic sector's role changes as the country becomes more developed.

Describe the different economic sectors and spatial patterns of industrialization including the core, periphery, and semi-periphery locations.

Describe social and economic measures of development and explain possible limitations of the data provided.

Explain how the Gender Inequality Index is measured and why it is a significant tool in the global world and assists in understanding development.

Explain and identify the different parts of the Human Development Index (HDI) and the significance of the scores being either high or low.

Unit Lesson

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Discuss how the roles of women change as a country becomes more economically developed and ways that women still do not have full equity.

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Explain how supranational organizations inspire globalization and new spatial connections, and how outsourcing shifts jobs from core to periphery countries.

Explain how and why each of the economic elements/industries developed and where each continues to thrive in the modern global economic landscape.

Explain the issues that sustainable development policies hope to address and relate these ideas to the UN's Sustainable Development Goals (SDGs) and their likelihood of realizing these goals in adequate time.

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SEMESTER REVIEW AND EXAM

Semester Review

Explain connections between the physical environment and types of agricultural practices around the world.

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Identify and explain rural land-use patterns and rural settlement patterns and the benefits and drawbacks to each.

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Unit Lesson

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Describe the purpose of innovations such as biotechnology, GMOs, and aquaculture and the benefits and drawbacks they pose to the various levels of agriculture.

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Explain the impact of agricultural practices on the environment and describe each of the environmental effects of agriculture.

Describe the social and cultural effects of agriculture.

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Explain world cities and urban hierarchy as well as the connection between cities.

Define and apply the rank-size rule and primate city rule with example populations and the advantages and disadvantages to each.

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Unit Lesson

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Unit Lesson

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Semester Exam

AP HG PRACTICE EXAMS

AP HG Review

AP HG Practice Exam

Alternate AP HG Practice
Exam