

Unit 5: Agriculture & Rural Land-Use Patterns & Processes

Topic 5.1 – Introduction to Agriculture

1. Complete the table below for intensive farming practices.

| Type of Agriculture | Location of Agriculture | What does it produce? | Explanation of Agricultural practice |
|--------------------------|-------------------------|-----------------------|--------------------------------------|
| Market Gardening | | | |
| Plantation | | | |
| Mixed Crop/ livestock | | | |

2. Complete the table below for extensive farming practices.

| Type of Agriculture | Location of Agriculture | What does it produce? | Explanation of Agricultural practice |
|----------------------|-------------------------|-----------------------|--------------------------------------|
| Shifting Cultivation | | | |
| Nomadic Herding | | | |
| Ranching | | | |

3. Explain how the physical environment can influence the type of agriculture practiced in a location.

Topic 5.2- Settlement Patterns and Survey Methods

1. Create a map or image that shows a clustered, dispersed, and linear settlement pattern.

2. Explain how each of the following rural survey methods are used.

| | |
|------------------|--|
| Metes & Bounds | |
| Township & Range | |
| Long Lot | |

3. How does agriculture impact rural land-use patterns?

Topic 5.3- Agricultural Origins and Diffusions

1. How did the Columbian Exchange impact life in the new world?

2. How did the Columbian Exchange impact life in the old world?

3. How did the Agricultural revolutions help diffuse different species of animals and plants around the globe?

4. Identify two different species of animals/plants that originated in the following hearths.

| | Plants/Animals |
|--------------------|----------------|
| Fertile Crescent | |
| Indus River Valley | |
| Southeast Asia | |
| Central America | |

Topic 5.4- The Second Agricultural Revolution

1. What historical event caused the second agricultural revolution?
2. Explain what the enclosure movement is and how it impacted food production.
3. Identify two ways the second agricultural revolution impacts each of the following categories below.

| | Impact from the revolution |
|----------|----------------------------|
| Social | |
| Economic | |
| Health | |

Topic 5.5- The Green Revolution

1. Define the green revolution.
2. How did the green revolution change the production of food?
3. Identify a positive and negative consequence the green revolution had on human populations.
4. Identify a positive and negative consequence the green revolution had on the environment.

Topic 5.6- Agricultural Production Regions

1. What are three characteristics of intensive farming practices?
2. What are three characteristics of extensive farming practices?
3. Explain the difference between subsistence and commercial agriculture.
4. How does the bid-rent theory impact the location of different types of agriculture?
5. Why are more farmers switching to monocropping over monoculture?

Topic 5.7- Spatial Organization of Agriculture

1. How have advancements in technology led to small farms being replaced by commercial agricultural operations?
2. Explain how commodity chains are used to create agricultural products.
3. Identify two different ways technology has changed the agricultural sector.

Topic 5.8- Von Thunen Model

1. Draw and label the Von Thunen Model.
2. Explain how transportation costs play a role in the Von Thunen Model.
3. What types of agriculture do not fit in the Von Thunen Model?
4. Explain why some people believe the Von Thunen Model is no longer relevant and why some argue it still works.

Topic 5.9- The Global System of Agriculture

1. How has globalization changed how we eat food?
2. Identify two ways in which international trade deals can impact agriculture in a society.
3. Why would some states be more dependent on agricultural imports compared to other states?

Topic 5.10 Consequences of Agricultural Practices (Continued on the next page)

1. Explain what desertification is and why it happens.
2. Define soil salinization.
3. Identify two conservation efforts society can do to combat the impact agriculture has on the environment.
4. What are three societal effects agricultural practice has on society?

Topic 5.10 Consequences of Agricultural Practices

5. Complete the table below.

| Agricultural Practice | Describe the practice | Consequences |
|-----------------------|-----------------------|--------------|
| Slash and Burn | | |
| Shifting Cultivation | | |
| Terraces | | |
| Irrigation | | |
| Deforestation | | |
| Draining wetlands | | |
| Pastoral Nomadism | | |

Topic 5.11- Challenges of Contemporary Agriculture (Continued on the next page)

1. How have the following agricultural innovations have positively & negatively impacted the field of agriculture.

| | Positive Impact | Negative Impact |
|-------------------------|-----------------|-----------------|
| GMO | | |
| Aquaculture | | |
| Fertilizer & Pesticides | | |

Topic 5.11- Challenges of Contemporary Agriculture

2. How have current food trends impacted the production of food?

3. Identify two ways in which dietary preferences have shifted.

4. Define urban farming.

5. Identify challenges that each of the following categories are experiencing when it comes to food supply.

| | Challenges to food supply |
|---------------|---------------------------|
| Social | |
| Environmental | |
| Economic | |
| Political | |

Topic 5.12- Women in Agriculture

1. What type of countries have a higher percentage of women working in Agriculture?

2. Identify an obstacle in each of the following categories that prevent women from pursuing equality.

| | Obstacle |
|-----------|----------|
| Political | |
| Economic | |
| Cultural | |