Unit 5: Agriculture

1. History of Agriculture
   1. Hunter Gatherers
   2. Agriculture-
   3. Neolithic Revolution-
      1. Effects
      2. Hearths

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| **Hearth** | **Diffusion**  **Route** | **Crop**  **Innovation** |
| Western  India | To Southwest Asia |  |
| Southwest  Asia | To Europe, North Africa, and to Northwestern India and Indus River area |  |
| Northern  China | To Southwest Asia and Southeast Asia |  |
| Ethiopia | Remained Isolated in Ethiopia |  |
| Southern  Mexico | Throughout Western Hemisphere |  |
| Northern  Peru | Throughout Western Hemisphere |  |

* 1. Columbian Exchange

1. The Second Agricultural Revolution

1. The Third Agricultural Revolution (The Green Revolution)
   1. Economic Downsides
   2. Environmental Downsides
   3. Praise
   4. Biotechnology
   5. Organic
2. Subsistence farming
   1. Subsistence v Commercial

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| **Subsistence** | **Commercial** |
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* 1. Intensive Subsistence Farming-
     1. MDCs
  2. Shifting Cultivation
  3. Pastoralism
     1. Transhumance

1. Commercial Agriculture
   1. Mixed Crop and Livestock
   2. Dairy Farming
      1. Milk shed
   3. Grain Farming
   4. Livestock Ranching
   5. Mediterranean Agriculture
   6. Truck Farming
   7. Plantation Farming
2. Von Thunen’s Model
   1. Land Use Model
   2. Rings
      1. Market Gardening and Dairy
      2. Forest
      3. Field Crops
      4. Animal Grazing
      5. Outside of the Rings
   3. Von Thunen’s Assumptions
3. Challenges for Farmers
   1. MDC Problem: Overproduction
      1. Solution
   2. MDC Problem: Sustaining Land
      1. Solution
   3. LDC Problem: Growing Population
      1. Solution
   4. LDC Problem: Expensive Technology
      1. Solution
4. How to increase food supply?
   1. Preventing Desertification
   2. Green Revolution
   3. New Food Sources