The Industrial Landscape

Ingredients and Industrial Regions
Definition

• Industry
  – The manufacturing of goods in a factory
• Industrial Revolution
  – A change in the methods of production
Resources needed for Industrialization

• Semi-Reliable Market
  – Place to sell goods
• Effective Central Bank
  – Finance business growth
• Easy sources of Transportation
  – Rivers
  – Roads
  – Development of Railroads
• Cheap Labor

• Easy access to Natural Resources
  – Coking Coal
  – Iron Ore
• Means of Shipping products to foreign Markets
  – Interlinked Rail Systems
  – Merchant Marine
Industrial Revolutions

- **First Industrial Revolution**
  - England/Scotland
  - Steam engine (1769, James Watt)

- **Second Industrial Revolution**
  - USA
  - Light Bulb (1879, Thomas Edison)

- **Third Industrial Revolution**
  - USA
  - Assembly Line (1913, Henry Ford)
Europe

- Western Europe first to put together all ingredients
  - Major Regions: United Kingdom, Western Germany, Northern Italy
  - Starting in late 1700s
- Responsible for 25% of world’s industrial output
North America

- Industrialized slightly after Western Europe
  - United States industrialized mid-1800s
  - Major Regions: Great Lakes, East Coast, California
- Applied industrialism principles and grew very quickly
- Major steel and automotive industries
Eastern Europe

• Took longer to Develop
  – Starting in early 1900s
  – Had to Develop Social Structure (i.e. Banking and Political systems)
  – Major Regions: Russia, Ukraine, Poland

• Large steel production
East Asia

• Most Recent to industrialize
  – Held down by foreigners and traditions
    • Japan first in late 1800s
  – Major Regions: Japan, Four Asian Tigers (Taiwan, Singapore, South Korea, Hong Kong)
    • Most not until after WWII

• China
  – Political Situation did not really allow access to transnational companies till 1990s
  – Rapid industrialization due to access to low-cost labor
Latin America

- Industrialized after WWII
  - Easy access to United States market
  - Major Regions: Brazil Mexico
- Mexico’s strength connected to Maquiladoras
  - Factory towns close to United States border
  - Low cost labor of Mexico
USA and Mexico Border
Africa

- Still no major industrial development
  - Mostly mining
  - Lots of resources
  - Poor infrastructure
- Great Industrial potential
  - Nigeria primed to grow
  - UN designated November 20th “African Industrialization Day”
New International Division of Labor

• Connection between MDCs and LDCs in the methods of production
  – Companies based in MDCs use LDCs for cheap labor
  – LDCs use MDCs for introduction of new manufacturing methods and infrastructure