















DEFINITIONS Aransford transford trans

- and profit (primary sector). ✓ Uses field practices, transportation methods and marketing that increase production, reduce spoilage/waste and lower the cost of the product (economies of scale; use of technology).
- As opposed to subsistence agriculture which provides for family and local needs.

Manufacturing: Large scale transformation of raw materials (from the primary sector) into finished products that have higher value (secondary sector)

- Uses machines, tools, labor and power to <u>create</u> products.
 Needs the support of ser-
- vice providers (tertiary sector) and increasingly relies on information to assess its products and people's opinions of them (quaternary sector).
- As opposed to home craft production done to satisfy one's needs and to sell or barter for personal gain.











































Mechanization and Farm Size

- Midwest farms have become increasingly corporate in organization and less familyowned and operated.
- Farm Size: individual farms have increased in size while the number of farms has decreased in number. *Economies of scale* favor large and medium-sized farms
- Increasing use of expensive machinery and technology.

s decre vor lare	eased ge and		
Average to	m site (some)	<	46.300 140.300 140.300 125.300 105.300 80.000 80.000 80.000 80.000 80.000 80.000
3900	1950	1967	
	Year		31









Urban/Industrial Content of the large-scale of raw material goods that have	URING: e transformation s into finished e higher value.
 Cities grew at strategic locations within the agricultural core: Sites at river junctions, portages and crossroads became collection points/ markets where farmers sold or traded their produce. River ports grew and became the focus of activity. Cities became centers of agro-oriented industry: Processing foodstuffs and manufactur- ing farm products (tools) and machinery. Cities lured workers from other parts of the U.S. and from abroad. Cities grew in size and complexity in response to industrial stimuli (functions/pull factors). 	Buffalo Erie Pittsburgh Cleveland Columbus Cincinnati Indianapolis Detroit Chicago Milwaukee Minneapolis St. Paul Des Moines St. Louis
	36













Manufacturing Core

The industrial region's growth and development was directly related to the:

- 1. Quantity, quality and location of accessible natural resources: water, wood, coal, minerals AND
- 2. Ability to move needed raw materials and the finished product by water and rail: dense transportation network with a variety of conveyances as canal boats, river barges, lake steamers, and railroads, plus good local roads.

43











Comparison of Core Sub-regions Eastern Cities -- Interior Cities

- Existed <u>before</u> industrialization ✓ Developed because of
- commerce and finance
- Hearth: New EnglandPower source: water wheel
- ✓ Specialization: light industry
- Small amt of raw materials used
 <u>High value added</u> per unit weight
- ✓ Importance placed on services, esp. finance, educ., culture
- Sites include: Manchester, Boston, Providence, New Haven, New York, Paterson, Philadelphia,

Baltimore

 ✓ Developed near mineral and agricultural resources
 ✓ Focus: water for transport'n
 ✓ Power source: steam
 ✓ Specialization: heavy ind'try

 Used tons of metallic minerals and coal

Grew after industrialization

- Processing, metal smelting, machinery, milling
- Sites include: Buffalo, Pittsburgh, Cleveland, Cincinnati, Detroit, Gary, Chicago, Milwaukee, St. Louis; Toronto, Hamilton













































NEXT

APPALACHIA

and

THE OZARKS