

CHAPTER 11 – FLOUR, LUMBER & IRON



Learning Targets – Chapter 11

1. I can name the three (3) industries that developed in MN during the industrialization period of the late 1800's, and identify the natural resources that helped the industries prosper.
2. I can describe how these three (3) industries spurred the economic and population growth of Minnesota

DIRECTIONS

Use all available Chapter 11 resources at your disposal to complete the following questions.

- Chapter 11 Vocabulary Intro Activity
- Chapter 11 Comprehension Worksheet
- Chapter 11 Textbook (page 217 – 233)

Vocabulary

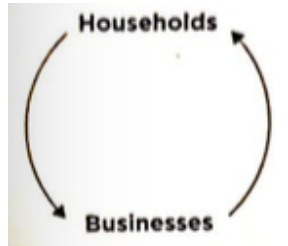
1. **Industrialization** - the process of developing large-scale, MECHANICAL factories.
2. **Industry** -- a specific branch of BUSINESS that provides a certain product or service.
3. **Industrialist** -- an owner or manager of a large BUSINESS.
4. **Invest** -- in business, to put MONEY into something offering potential profit.
5. **Iron Ore** -- a ROCK or MINERAL from which iron can be extracted.

Know The Following

6. What were the natural resources essential in Minnesota's flour milling industry of the 1880's?
 - a. WHEAT
 - i. RICH FARMLAND
 - b. WATERPOWER FOR MILLS
7. Who were the primary people involved in the flour milling industry?
 - a. CHARLES PILLSBURY
 - b. MACHINE OPERATOS
 - c. SWEEPERS
 - d. PACKERS

8. What machines were used to make flour?
 - a. MIDDLINGS PURIFIERS
 - b. STEEL ROLLERS
 - c. GRINDSTONES
 - d. RAILROADS
9. What were the natural resources essential in Minnesota's Lumber industry?
 - a. WHITE PINE FORESTS
 - b. RIVERS / WATERFALLS
10. Who were the primary people involved in the lumber industry?
 - a. FREDERICK WEYERHAEUSER
 - b. LUMBERJACKS
 - c. COOKS
 - d. RIVER CREWS
11. What machines were used in the lumber industry?
 - a. CROSSCUT SAWS
 - b. AXES
 - c. HAMMERS
 - d. CANT HOOKS
 - e. PIKES
 - f. HOT WATER PUMPS
 - g. STEAM POWERED SAWS
 - h. RAILROAD
12. What happened to Minnesota's lumber industry beginning in 1905?
 - a. THE LUMBER INDUSTRY DECLINED BECAUSE MOST OF THE WHITE PINES HAD BEEN CUT DOWN
 - b. LUMBER COMPANIES MOVED OUT OF THE STATE AND WENT WEST.
13. What were the natural resources that were essential in Minnesota's Iron Mining industry?
 - a. IRON ORE
14. What was iron ore used to make?
 - i. STEEL
 - b. Where in the U.S. did that happen?
 - i. PITTSBURGH, PA
 1. ANDREW CARNEGIE'S STEEL FACTORIES
15. What machines were used to make the iron mining industry successful?
 - a. TRAM CARS (USED IN UNDERGROUND MINES)
 - b. MASSIVE STEAM-POWERED SHOVELS
 - c. STEAM-POWERED TRAINS
 - d. ELECTRIC SHOVELS
 - e. DIESEL ENGINES
16. Who were the primary people involved in the iron mining industry?
 - a. HENRY OLIVER
 - i. ANDREW CARNEGIE
 - ii. JOHN D. ROCKEFELLER
 - b. MINE WORKERS
 - i. IMMIGRANTS (DANGEROUS, LIFE-RISKING WORK)

17. How can businesses and households help the economy grow because of how the two are connected?
- a. HOUSEHOLDS ACROSS THE STATE, NATION, & WORLD PAID MONEY TO THE BUSINESSES FOR THE GOODS THESE INDUSTRIES PROVIDED
 - b. BUSINESSES PAID WORKERS FROM MINNESOTA HOUSEHOLDS TO PRODUCE THE GOODS THAT WERE BEING BOUGHT.



c.