

Resources on the Move

Trace how transportation connected resources and industry after 1865.

USII.3.a “explaining relationships among natural resources, transportation, and industrial development from 1865;”

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Read each paragraph. In every paragraph, write 1 beside the natural resource, 2 beside the transportation method that moves it, and 3 beside the industry that uses it. Use each number once in each paragraph to trace the resource-to-industry chain.

From Resource to Industry

- ① After 1865, iron ore from Minnesota's Lake Superior region became important to steelmakers. Mining companies loaded the heavy ore into railroad cars. Railroads carried it to steel mills in cities including Pittsburgh, where many workers shaped hot steel. The trains could move far more ore than wagons could carry, and they ran in every season. With a steady supply arriving, steel mills could make rails, bridges, and machines. Railroad transportation connected a natural resource to growing industry.
- ② Forests in the Great Lakes states supplied timber for a fast-growing lumber industry. Loggers cut pine trees and moved the logs by river to sawmills. At the mills, workers cut the logs into boards for houses, stores, and railroad ties. Rivers provided an inexpensive route for bulky logs, which were difficult to haul by wagon. Because mills received logs regularly, they could employ workers and produce large amounts of lumber. River transportation linked forest resources with industrial production.
- ③ In western Pennsylvania, drillers brought crude oil from underground deposits to the surface. Pipelines carried the oil directly to refineries, where it was turned into useful products such as kerosene. Before pipelines, moving barrels by wagon was slow and costly. Pipelines gave refineries a steadier flow of oil, so they could process more oil and grow larger. Refineries sent finished products to distant customers across the country. Pipeline transportation helped the petroleum industry expand rapidly.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 How did railroads help steel mills use iron ore?

2 Why were rivers useful for moving timber to sawmills?

3 How did pipelines change the oil business compared with wagons?

4 How did regular deliveries help both the steel and lumber industries produce more goods?

3 YOUR TURN _____ Your own words

YOUR TURN: Choose iron ore, timber, or crude oil. In exactly three sentences, explain how it traveled and how that transportation helped its industry grow. Use the resource, transportation, and industry names from the reading.

PART 1 • READ AND MARK

Read each paragraph. In every paragraph, write 1 beside the natural resource, 2 beside the transportation method that moves it, and 3 beside the industry that uses it. Use each number once in each paragraph to trace the resource-to-industry chain. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	How did railroads help steel mills use iron ore?	Railroads carried heavy iron ore to steel mills in cities such as Pittsburgh. They moved more ore than wagons and ran in every season.
2	Why were rivers useful for moving timber to sawmills?	Rivers provided an inexpensive route for bulky logs, which were difficult to haul by wagon.
3	How did pipelines change the oil business compared with wagons?	Pipelines carried oil directly to refineries instead of moving barrels slowly and expensively by wagon. The steady flow let refineries process more oil and grow larger.
4	How did regular deliveries help both the steel and lumber industries produce more goods?	A steady supply of iron ore let steel mills make rails, bridges, and machines. Regular log deliveries let lumber mills employ workers and produce large amounts of lumber.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Timber was moved by river to sawmills. Rivers gave loggers an inexpensive way to move bulky logs. Regular deliveries let lumber mills produce large amounts of boards.

Accept responses that correctly connect one resource from the reading to its named transportation method and related industry. The YOUR TURN response should contain exactly three sentences and explain how transportation supported industrial growth.