Made and Moved

Trace the connections behind Indiana's modern growth

IS.1.39 "Research Indiana's modern growth emphasizing manufacturing, new technologies, transportation and global connections."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline two ways technology supports an Indiana industry, circle three transportation routes or hubs, and number two places that show connections beyond Indiana.

How Indiana Industry Connects

1. Near Elkhart, recreational vehicles, or RVs, come together from frames, wiring, cabinets, and other parts. The area's long manufacturing tradition has helped create a network of factories and suppliers. Today, computer-aided design lets workers test layouts before cutting materials, while computer-controlled machines make repeatable parts. Skilled workers still assemble and inspect the finished vehicles. Trucks carry parts to plants and take completed RVs toward dealers across the United States on nearby highways. This mix of established skills and newer tools helps companies respond when buyers want different floor plans or features.

2. Indianapolis shows another side of Indiana's modern growth. Eli Lilly and Company, founded there in 1876, researches and makes medicines, including treatments for diabetes. Drug development relies on laboratory research, specialized equipment, and highly trained workers rather than assembly lines alone. Some medicines need careful temperature control during shipping. Indianapolis International Airport is a major FedEx cargo hub, and interstate highways also meet in the region. These connections give businesses ways to move supplies and finished goods, often on tight schedules. The city's older industrial strengths now exist alongside research-based industries.

3. At Burns Harbor on Lake Michigan, the Ports of Indiana operates a port that handles cargo such as steel. Ships can reach the Great Lakes from the Atlantic Ocean through the St. Lawrence Seaway during its shipping season. Rail lines and trucks move cargo between the port and inland businesses. That network links Indiana industry with suppliers and customers beyond the state, including those in other countries. Global trade can create opportunities for factories, but it can also expose them to delays or price changes far away. Modern growth depends on connections among production, technology, and transportation, not on any one factory alone.

2 ANSWER WITH EVIDENCE

Use the passage

1. How do the two technologies described near Elkhart help RV makers produce vehicles?

2. Why could Indianapolis's cargo hub be useful to a business shipping medicines? Connect a shipping need to the transportation network.

3. How do ships, rail lines, and trucks work together to connect Burns Harbor with global trade?

4. What different jobs do trucks do for Elkhart's RV industry and businesses using the Burns Harbor port?

3 YOUR TURN

Your own words

Imagine a new Indiana factory that makes electric school buses. In five sentences, explain how it could grow using at least two facts from different paragraphs, then describe one possible global connection and make clear that it is your prediction.

ANSWER KEY

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HIGH SCHOOL · IS.1.39

PART 1 · READ AND MARK

Underline two ways technology supports an Indiana industry, circle three transportation routes or hubs, and number two places that show connections beyond Indiana. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	How do the two technologies described near Elkhart help RV makers produce vehicles?	**Computer-aided design lets workers test layouts before cutting materials, and computer-controlled machines make repeatable parts.**
2	Why could Indianapolis's cargo hub be useful to a business shipping medicines? Connect a shipping need to the transportation network.	**Some medicines need temperature control, and businesses may need to ship on tight schedules. The airport cargo hub provides a way to move goods.**
3	How do ships, rail lines, and trucks work together to connect Burns Harbor with global trade?	**Ships can reach the Great Lakes from the Atlantic through the St. Lawrence Seaway. Rail lines and trucks move port cargo to and from inland businesses, linking them with suppliers and customers in other countries.**
4	What different jobs do trucks do for Elkhart's RV industry and businesses using the Burns Harbor port?	**Near Elkhart, trucks bring parts to plants and carry completed RVs toward U.S. dealers. At Burns Harbor, trucks move cargo between the port and inland businesses.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

A new Indiana electric-bus factory could use computer-aided design to test layouts, as Elkhart manufacturers do in paragraph 1. Trucks could bring parts to the factory and carry finished buses to buyers. Paragraph 3 says that rail lines and trucks move cargo between Burns Harbor and inland businesses. The bus factory might use that port to receive materials from another country. That possible global connection is my prediction, not a fact reported about the imaginary factory.

Accept other passage-supported connections between industry, technology, transportation, and trade. For the open task, look for facts from two different paragraphs and a global connection clearly identified as a prediction.