

Texas Market Connections

Trace how Texas industries affect markets close to home and around the world.

7.12.C “analyze the impact of significant industries in Texas such as aerospace, medical, and computer technologies on local, national, and international markets.”

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB READ AND MARK: In each paragraph, underline one local impact, circle one national market connection, and number one international market connection. Your marks will help you compare how an industry reaches different markets.

Texas Industries, Many Markets

- ① Texas aerospace industry links local work to wide markets. At NASA’s Johnson Space Center in Houston, engineers, technicians, and nearby suppliers support human-spaceflight missions. NASA, a federal agency, buys work and equipment from Texas companies, creating a national market because federal funding comes from the United States. International partners also work on the International Space Station. When Texas firms provide specialized equipment or services for these missions, they can serve customers and partners from other nations. Local paychecks also support Houston-area stores and services.
- ② Medical technology is another Texas industry with several market effects. In Houston’s Texas Medical Center, researchers, hospitals, and technology companies test and improve treatments and medical devices. A Texas company that produces a device may hire local workers and purchase parts from nearby businesses. Hospitals and clinics across the United States may buy the device, expanding its national market. If the company meets other countries’ rules and sells the device abroad, international sales bring money into Texas. Patients who travel to Houston for specialized care also spend money locally.
- ③ Austin is a major center for computer technology, including companies that design semiconductors, create software, and provide data services. These firms employ programmers, designers, and support workers, who spend earnings in local communities. A chip or software product can be sold to businesses throughout the United States, so one Texas innovation can reach a national market. Companies may also sell products or services to customers in other countries, competing in international markets. Demand from buyers can lead firms to hire more workers or order more materials locally.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 Why do NASA purchases from Texas aerospace companies create a national market connection?

2 Identify one local impact and one national market impact of a Texas medical device company.

3 How can demand for a Texas computer product affect a local community?

4 Compare the national market connections of the aerospace and computer industries. How does each industry reach buyers beyond Texas?

3 YOUR TURN _____ Your own words

YOUR TURN: Complete the table using evidence from the passage. For each industry, show one local impact, one national market connection, and one international market connection.

INDUSTRY	LOCAL IMPACT	NATIONAL CONNECTION	INTERNATIONAL CONNECTION
Aerospace			
Medical technology			
Computer technology			

PART 1 • READ AND MARK

READ AND MARK: In each paragraph, underline one local impact, circle one national market connection, and number one international market connection. Your marks will help you compare how an industry reaches different markets. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Why do NASA purchases from Texas aerospace companies create a national market connection?	NASA is a federal agency, and its funding comes from the United States. Its purchases connect Texas aerospace companies to a national market.
2	Identify one local impact and one national market impact of a Texas medical device company.	A local impact is hiring local workers or buying parts from nearby businesses. A national impact is selling devices to hospitals and clinics across the United States.
3	How can demand for a Texas computer product affect a local community?	Demand can cause computer firms to hire more workers or order more materials locally. Workers also spend their earnings in local communities.
4	Compare the national market connections of the aerospace and computer industries. How does each industry reach buyers beyond Texas?	Aerospace companies reach a national market when NASA buys their work and equipment. Computer companies reach a national market when businesses throughout the United States buy Texas chips or software.

PART 3 • YOUR TURN (SAMPLE ANSWER)

INDUSTRY	LOCAL IMPACT	NATIONAL CONNECTION	INTERNATIONAL CONNECTION
Aerospace	Houston workers and suppliers support missions.	NASA buys Texas work and equipment.	Firms can serve International Space Station partners from other nations.
Medical technology	Companies may hire local workers and buy nearby parts.	U.S. hospitals and clinics may buy devices.	A company may sell devices abroad after meeting other countries' rules.
Computer technology	Firms employ workers who spend earnings locally.	Businesses throughout the United States can buy chips or software.	Companies may sell products or services to customers in other countries.

Accept accurate local, national, and international connections stated in the passage, including conditional language such as may or can. For the Your Turn table, each row should match the correct industry and include all three market levels.