Growth and Expansion
1790–1825

Why It Matters
During the early 1800s, manufacturing took on a stronger role in the American economy. During the same period, people moved westward across the continent in larger and larger numbers. In 1823 the United States proclaimed its dominant role in the Americas with the Monroe Doctrine.

The Impact Today
These developments were important factors in shaping the nation. Today the United States is one of the leading economic and military powers in the world.

The American Republic to 1877 Video The chapter 10 video, “The One-Room Schoolhouse,” depicts a typical school day in the nineteenth century.

1790
- First U.S. Census

1792
- Russia invades Poland

1793
- Eli Whitney invents cotton gin

1797–1801
- Adams

1801–1809
- Jefferson

1809–1817
- Madison

1804
- Haiti claims independence from France

1807
- Robert Fulton designs first practical steamboat
Valley of the Yosemite by Albert Bierstadt  Bierstadt’s panoramic scenes of the American West capture the vastness of the landscape.

1815  •  Battle of Waterloo crushes Napoleon

1819  •  Florida ceded to U.S.

1819  •  Bolivar defeats Spanish forces at Boyacá

1820  •  Missouri Compromise passed

1820  •  Monroe Doctrine issued

1821  •  Peru claims independence from Spain

1823  •  Monroe Doctrine issued

1825  •  Erie Canal completed

**HISTORY Online**

**Chapter Overview**
Visit tarvol1.glencoe.com and click on **Chapter 10—Chapter Overviews** to preview chapter information.
Main Idea
The rise of industry and trade led to the growth of cities.

Key Terms
Industrial Revolution, capitalism, capital, free enterprise, technology, cotton gin, patent, factory system, interchangeable parts

Reading Strategy
Organizing Information As you read the section, re-create the diagram below and describe in the ovals changes brought about by the Industrial Revolution.

Read to Learn
• how the Industrial Revolution began in the United States.
• how the United States changed as it became more economically independent.

Section Theme
Economic Factors The Industrial Revolution changed the way goods were made.

Preview of Events
1793 Eli Whitney invents the cotton gin
1807 Congress passes Embargo Act
1814 Francis Lowell opens textile plant in Massachusetts
1816 Second National Bank is chartered

American Story
Both men and women in the early 1800s valued hard work. An English journalist described the farmers of Long Island in 1818: “Every man can use an axe, a saw, and a hammer. Scarcely one who cannot do any job at rough carpentering, and mend a plough and wagon . . . .” Another European noted the daily activities of American women in 1823: “They take care of everything pertaining to the domestic economy, for example, making candles, boiling soap, preparing starch, canning berries, fruit and cucumbers, baking, and spinning, sewing, and milking the cows.”

The Growth of Industry
During the colonial era, workers were in short supply. Americans learned to develop tools that made work easier and more efficient. American methods and inventions won the admiration of Europeans. One observer exclaimed:

"The axe here [in America] . . . is a combination axe, wedge, and sledgehammer; what an accomplished woodchopper can do with this instrument! There are some among them who can chop and split five and one-half loads of wood a day, including stacking them."
People working in their homes or in workshops made cloth and most other goods. Using hand tools, they produced furniture, farm equipment, household items, and clothing.

In the mid-1700s, however, the way goods were made began to change. These changes appeared first in Great Britain. British inventors created machinery to perform some of the work involved in cloth making, such as spinning. The machines ran on waterpower, so British cloth makers built mills along rivers and installed the machines in these mills. People left their homes and farms to work in the mills and earn wages. The changes this system brought about were so great that this historic development is known as the Industrial Revolution.

The Industrial Revolution in New England

The Industrial Revolution began to take root in the United States around 1800, appearing first in New England—Massachusetts, Rhode Island, Connecticut, Vermont, and New Hampshire. New England’s soil was poor, and farming was difficult. As a result, people were willing to leave their farms to find work elsewhere. Also, New England had many rushing rivers and streams. These provided the waterpower necessary to run the machinery in the new factories.

New England’s geographic location also proved to be an advantage. It was close to other resources, including coal and iron from nearby Pennsylvania. New England also had many ports. Through these ports passed the cotton
shipped from Southern states to New England factories, as well as the finished cloth bound for markets throughout the nation.

Also necessary to strong industrial growth is an economic system that allows competition to flourish with a minimum of government interference. The economic system of the United States is called capitalism. Under capitalism, individuals put their capital, or money, into a business in hopes of making a profit.

Free enterprise is another term used to describe the American economy. In a system of free enterprise, people are free to buy, sell, and produce whatever they want. They can also work wherever they wish. The major elements of free enterprise are competition, profit, private property and economic freedom. Business owners have the freedom to produce the products that they think will be the most profitable. Buyers also compete to find the best products at the lowest prices.

New Technology

Workers, waterpower, location, and capital all played roles in New England’s Industrial Revolution. Yet without the invention of new machines and technology—scientific discoveries that simplify work—the Industrial Revolution could not have taken place.

Inventions such as the spinning jenny and the water frame, which spun thread, and the power loom, which wove the thread into cloth, made it possible to perform many steps in making cloth by machine, saving time and money. Because these new machines ran on waterpower, most mills were built near rivers. In 1785, for the first time, a steam engine provided power for a cotton mill.

In 1793 Eli Whitney of Massachusetts invented the cotton gin, a simple machine that quickly and efficiently removed the seeds from the cotton fiber. The cotton gin enabled one worker to clean cotton as fast as 50 people working by hand.

In 1790 Congress passed a patent law to protect the rights of those who developed “useful and important inventions.” A patent gives an inventor the sole legal right to the invention and its profits for a certain period of time. One of the first patents went to Jacob Perkins for a machine to make nails.

Reading Check Analyzing Why were the first mills in Great Britain built near rivers?

New England Factories

The British tried to keep their new industrial technology a secret. They even passed laws prohibiting their machinery as well as their skilled mechanics from leaving the country. However, a few enterprising workers managed to slip away to the United States.

In Britain Samuel Slater had worked in a factory that used machines invented by Richard Arkwright for spinning cotton threads. Slater
CHAPTER 10 Growth and Expansion

Magazine
The Lowell Offering was a magazine written for and about the mill girls.

Working Conditions
The young women who worked in Lowell’s mills endured difficult working conditions. They put in long hours—from sunrise to sunset—for low wages. The volume of the factory machinery was earsplitting and the work was monotonous. The women usually performed one task over and over again.

On the Job
Lucy Larcom started working in the mills when she was 11 years old. She later recalled her life at Waltham:

“We did not call ourselves ladies. We did not forget that we were working girls, wearing aprons suitable to our work, and that there was some danger of our becoming drudges.”

memorized the design of Arkwright’s machines and slipped out of Britain in 1789. Once in the United States, Slater took over the management of a cotton mill in Pawtucket, Rhode Island. There he duplicated Arkwright’s machines. Using these machines the mill made cotton thread. Women working in their homes wove the thread into cloth. Slater’s mill marked an important step in the Industrial Revolution in America.

In 1814 Francis Cabot Lowell opened a textile plant in Waltham, Massachusetts. The plan he implemented went several steps beyond Slater’s mill. For the first time, all the stages of cloth making were performed under one roof. Lowell’s mill launched the factory system, a system bringing manufacturing steps together in one place to increase efficiency. The factory system was a significant development in the way goods were made—and another important part of the Industrial Revolution.

Interchangeable Parts
The inventor Eli Whitney started the use of interchangeable parts. These were identical machine parts that could be quickly put together to make a complete product. Because all the parts were alike, they could be manufactured with less-skilled labor, and they made machine repair easier. Interchangeable parts opened the way for producing many different kinds of goods on a mass scale and for reducing the price of the goods.

Reading Check Describing How did the factory system work?
Agriculture Expands

Although many New Englanders went to work in factories, most Americans still lived and worked on farms. In the 1820s more than 65 percent of Americans were farmers.

In the Northeast, farms tended to be small, and the produce was usually marketed locally. In the South, cotton production increased dramatically. The demand for cotton had grown steadily with the development of the textile industries of New England and Europe. Southern plantation owners used enslaved workers to plant, tend, and pick the cotton. The cotton gin—which made it possible to clean the cotton faster and less expensively than by hand—encouraged the planters to raise larger crops. Between 1790 and 1820, cotton production soared from 3,000 to more than 300,000 bales a year.

In the West, agriculture also expanded. Southern farmers seeking new land moved west to plant cotton. Western farmers north of the Ohio River concentrated on raising pork and cash crops such as corn and wheat.

In the Northeast different from the South in what it produced?

Economic Independence

Most new industries were financed by small investors—merchants, shopkeepers, and farmers. These people invested some of their...
money in the hope of earning profits if the new businesses succeeded. Low taxes, few government regulations, and competition encouraged people to invest in new industries.

Large businesses called corporations began to develop rapidly in the 1830s, when some legal obstacles to their formation were removed. The rise of these new corporations made it easier to sell stock—shares of ownership in a company—to finance improvement and development.

The charter of the First Bank of the United States had expired in 1811. In 1816 Congress chartered the Second Bank of the United States, also chartered for 20 years. The Bank had the power to make large loans to businesses. State banks and frontier people criticized the Bank on the grounds that it was a monopoly used by the rich and powerful for their own gain. Those who believed in strict interpretation of the Constitution also criticized it because they believed Congress did not have the power to charter such a bank.

Cities Come of Age

The growth of factories and trade spurred the growth of towns and cities. The new industrial towns grew quickest. Many developed along rivers and streams to take advantage of the waterpower. Older cities like New York, Boston, and Baltimore also grew as centers of commerce and trade. In the West, towns like Pittsburgh, Cincinnati, and Louisville profited from their locations on major rivers. As farmers in the West shipped more and more of their products by water, these towns grew rapidly.

Cities and towns looked quite different from modern urban areas. Buildings were made of wood or brick. Streets and sidewalks were unpaved, and barnyard animals often roamed freely. There were no sewers to carry waste and dirty water away, so the danger of diseases such as cholera and yellow fever was very real. In 1793, for example, a yellow fever epidemic in Philadelphia killed thousands of people.

Fire posed another threat to cities. Sparks from a fireplace or chimney could easily ignite a wooden building and spread to others. Few towns or cities had organized fire companies, and fires could be disastrous.

Cities and towns of the period also had advantages, however. Some people left farming because cities and towns offered a variety of jobs and steady wages. As cities grew they added libraries, museums, and shops that were unavailable in the countryside. For many, the jobs and attractions of city life outweighed any of the dangers.

Analyzing
Why did cities such as Pittsburgh and Louisville grow?
What were people's lives like in the past?

What—and who—were people talking about? What did they eat? What did they do for fun? These two pages will give you some clues to everyday life in the U.S. as you step back in time with TIME Notebook.

Profile

SAGOYEWATHA is the great Iroquois leader some call Red Jacket. Why? Because he fought with the British in the Revolutionary War. Sagoyewatha means “He Causes Them to Be Awake.” Below is part of a speech Sagoyewatha delivered in 1805 to a group of religious leaders from Boston:

“Brothers, our (Native American) seats were once large and yours (colonists) were small. You have now become a great people, and we have scarcely a place left to spread our blankets. You have got our country but are not satisfied; you want to force your religion upon us…

Brothers, continue to listen. You say there is but one way to worship and serve the Great Spirit. If there is but one religion, why do you white people differ so much about it?…

Brothers, we…also have a religion which was given to our forefathers and has been handed down to us, their children….”

The U.S. Constitution, the world’s largest frigate, or warship, was launched in 1797 with a crew of 450 and 54 cannons. Want to join the crew? First, you must prove you can understand a sailor’s vocabulary. Match each word or phrase in the first column with its original meaning.

1. Keel over
2. Try a new tack
3. Let the cat out of the bag
4. Mind your p’s and q’s
5. Shipshape

a. Sailors who do wrong are disciplined with a cat-o’-nine-tails whip that’s kept in a red sack
b. Putting a ship in for repair
c. Bartenders keep track of what sailors drink and owe by marking numbers under “pints” and “quarts”
d. The course or direction boats take into the wind
e. Good condition

1790s WORD PLAY

Ahoy There!

““We are one.”
“Mind your business.”

FIRST OFFICIAL U.S. COIN, sayings are on the front and back of the coin minted in 1787

“I die hard, but I am not afraid to go.”

GEORGE WASHINGTON, on his deathbed in 1799

“My mother and myself begged Mr. Carter not to sell this child out of Fredg [plantation], he gave us his word and honor that he would not, but as soon as we left him, he sold the child.”

JAMES CARTER, African American slave of Landon Carter, writing around 1790 about his sister, whom he never saw again

“May the Lord bless King George, convert him, and take him to heaven, as we want no more of him.”

REVEREND JOHN GRUBER, to his Baltimore congregation during the War of 1812
Sports Story

GEORGE CATLIN is a white man with a strong interest in Native American life. This lawyer has made a name for himself as an artist, painting portraits of Native American leaders, families, and everyday Western life. Here he paints with words, telling us about a game (one the French call lacrosse) played by Choctaw men:

“Each party (team) had their goal made with two upright posts, about 25 feet high and six feet apart, set firm in the ground, with a pole across at the top. These goals were about 40 to 50 rods (660–825 feet) apart. At a point just halfway between was another small stake, driven down, where the ball was to be thrown up at the firing of a gun, to be struggled for by the players … who were some 600 or 700 in numbers, and were (trying) to catch the ball in their sticks, and throw it home and between their respective stakes…. For each time that the ball was passed between the stakes of either party, one was counted for their game… until the successful party arrived to 100, which was the limit of the game, and accomplished at an hour’s sun.”

RIGHT: George Catlin painted this picture of a 15-year-old Native American girl. Her name, Ka-te-qua, means “female eagle.”

BELOW: Painting by George Catlin of Choctaw athletes playing their version of lacrosse.
**Main Idea**
The huge amount of territory added to the United States during the early 1800s gave the country a large store of natural resources and provided land for more settlers.

**Key Terms**
census, turnpike, canal, lock

**Reading Strategy**
**Taking Notes** As you read the section, re-create the diagram below and describe why each was important to the nation’s growth and development.

<table>
<thead>
<tr>
<th>Event</th>
<th>Significance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Congress approves</td>
<td></td>
</tr>
<tr>
<td>funds for national</td>
<td></td>
</tr>
<tr>
<td>road</td>
<td></td>
</tr>
<tr>
<td>Fulton’s Clermont</td>
<td></td>
</tr>
<tr>
<td>steams to Albany</td>
<td></td>
</tr>
<tr>
<td>U.S. population</td>
<td>stands at 9.6 million</td>
</tr>
<tr>
<td>Erie Canal is</td>
<td>completed</td>
</tr>
</tbody>
</table>

**Read to Learn**
- how land and water transportation improved in the early 1800s.
- how settlements in the West affected the nation’s economy and politics.

**Section Theme**
Science and Technology Expansion of transportation systems helped settlement spread westward.

**Preview of Events**
- **1800**
  - Congress approves funds for national road
- **1807**
  - Fulton’s Clermont steams to Albany
- **1820**
  - U.S. population stands at 9.6 million
- **1825**
  - Erie Canal is completed

**American Story**
During the 1800s, settlers poured into the frontier west of the Appalachians. The typical frontier family moved from place to place as the line of settlement pushed ever westward. Their home often consisted of a three-sided shack or a log cabin with a dirt floor and no windows or door. A pile of leaves in the loft of the cabin often served as a bed. Loneliness, poverty, and an almost primitive lifestyle were daily companions to many frontier people.

**Moving West**
The first census—the official count of a population—of the United States in 1790 revealed a population of nearly four million. Most of the Americans counted lived east of the Appalachian Mountains and within a few hundred miles of the Atlantic coast.

Within a few decades this changed. The number of settlers heading west increased by leaps and bounds. In 1811 a Pennsylvania resident reported seeing 236 wagons filled with people and their possessions on the road to Pittsburgh. A man in Newburgh, New York, counted 60 wagons rolling by in a single day. In 1820, just 30 years after the first census, the population of the
United States had more than doubled, to about 10 million people, with nearly 2 million living west of the Appalachians.

Traveling west was not easy in the late 1790s and early 1800s. The 363-mile trip from New York City to Buffalo could take as long as three weeks. A pioneer family heading west with a wagonload of household goods faced hardship and danger along the way.

**Roads and Turnpikes**

The nation needed good inland roads for travel and for the shipment of goods. Private companies built many turnpikes, or toll roads. The fees travelers paid to use those roads helped to pay for construction. Many of the roads had a base of crushed stone. In areas where the land was often muddy, companies built “corduroy roads,” consisting of logs laid side by side, like the ridges of corduroy cloth. (See page 599 of the Primary Sources Library for an account of a typical stagecoach journey.)

When Ohio joined the Union in 1803, the new state asked the federal government to build a road to connect it with the East. In 1806 Congress approved funds for a National Road to the West and five years later agreed on the route. Because work on the road stopped during the War of 1812, the first section, from Maryland to western Virginia, did not open until 1818. In later years the National Road reached Ohio and continued on to Vandalia, Illinois. Congress viewed the National Road as a military necessity, but it did not undertake other road-building projects.

**Geography**

**River Travel**

River travel had definite advantages over wagon and horse travel. It was far more comfortable than travel over the bumpy roads, and pioneers could load all their goods on river barges—if they were heading downstream in the direction of the current.

River travel had two problems, however. The first related to the geography of the eastern United States. Most major rivers in the region flowed in a north-south direction, not east to west, where most people and goods were headed. Second, traveling upstream by barge against the current was extremely difficult and slow.

Robert Fulton grew up in Lancaster, Pennsylvania. At an early age he created his own lead pencils and rockets. While living in Europe in the late 1790s, Fulton designed and built a submarine called the Nautilus to be used in France’s war against Britain. Submarine warfare became common later.

Fulton returned to the United States and developed a steamboat engine that was more powerful and provided a smoother ride than previous engines. On August 17, 1807, Fulton’s Clermont made its first successful run. By demonstrating the usefulness of two-way river travel, Fulton launched the steamboat era. Although his engine was considered a great success, trouble followed after Fulton received a monopoly and government money. Eventually, the collapse of the monopoly led to lower prices, growth of competition, and introduction of new technology to improve the steamboat.
Steam engines were already being used in the 1780s and 1790s to power boats in quiet waters. Inventor James Rumsey equipped a small boat on the Potomac River with a steam engine. John Fitch, another inventor, built a steamboat that navigated the Delaware River. Neither boat, however, had enough power to withstand the strong currents and winds found in large rivers or open bodies of water.

In 1802 Robert Livingston, a political and business leader, hired Robert Fulton to develop a steamboat with a powerful engine. Livingston wanted the steamboat to carry cargo and passengers up the Hudson River from New York City to Albany.

In 1807 Fulton had his steamboat, the Clermont, ready for a trial. Powered by a newly designed engine, the Clermont made the 150-mile trip from New York to Albany in the unheard-of time of 32 hours. Using only sails, the trip would have taken four days.

About 140-feet long and 14-feet wide, the Clermont offered great comforts to its passengers. They could sit or stroll about on deck, and at
night they could relax in the sleeping compartments below deck. The engine was noisy, but its power provided a fairly smooth ride.

Steamboats ushered in a new age in river travel. They greatly improved the transport of goods and passengers along major inland rivers. Shipping goods became cheaper and faster. Steamboats also contributed to the growth of river cities like Cincinnati and St. Louis.

**Reading Check** Comparing What advantages did steamboat travel have over wagon and horse travel?

**Canals**

Although steamboats represented a great improvement in transportation, their routes depended on the existing river system. Steamboats could not effectively tie the eastern and western parts of the country together.

In New York, business and government officials led by De Witt Clinton came up with a plan to link New York City with the Great Lakes.

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**American Highways**

By 1926, the long-distance motorist could use transcontinental highways for car travel.

**The National Road and Other Major Highways**

<table>
<thead>
<tr>
<th>Route</th>
<th>Official Status</th>
<th>From/To</th>
<th>Length in miles/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Road</td>
<td>1806</td>
<td>Cumberland, Md./Vandalia, Ill.</td>
<td>780/1,255</td>
</tr>
<tr>
<td>Lincoln Highway*</td>
<td>1913</td>
<td>New York City/San Francisco</td>
<td>3,390/5,456</td>
</tr>
<tr>
<td>Route 40</td>
<td>1926</td>
<td>Atlantic City, N.J./San Francisco</td>
<td>3,020/4,860</td>
</tr>
<tr>
<td>Route 66</td>
<td>1926</td>
<td>Chicago/Santa Monica, Calif.</td>
<td>2,450/3,943</td>
</tr>
</tbody>
</table>

*first transcontinental road for automobiles

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1811 Construction begins at Cumberland
1818 Cumberland-to-Wheeling section completed
1825 Construction in Ohio begins
1833 Route to Columbus, Ohio, completed
1850 National Road stops at Vandalia
region. They would build a canal—an artificial waterway—across New York State, connecting Albany on the Hudson River with Buffalo on Lake Erie.

**Building the Erie Canal**

Thousands of laborers, many of them Irish immigrants, worked on the construction of the 363-mile Erie Canal. Along the canal they built a series of locks—separate compartments where water levels were raised or lowered. Locks provided a way to raise and lower boats at places where canal levels changed.

After more than two years of digging, the Erie Canal opened on October 26, 1825. Clinton boarded a barge in Buffalo and journeyed on the canal to Albany. From there, he headed down the Hudson River to New York City. As crowds cheered, the officials poured water from Lake Erie into the Atlantic. The East and Midwest were joined.

In its early years, the canal did not allow steamboats because their powerful engines could damage the earthen embankments along the canal. Instead, teams of mules or horses hauled the boats and barges. A two-horse team pulled a 100-ton barge about 24 miles in one day—astonishingly fast compared to travel by wagon. In the 1840s the canal banks were reinforced to accommodate steam tugboats pulling barges.

The success of the Erie Canal led to an explosion in canal building. By 1850 the United States had more than 3,600 miles of canals. Canals lowered the cost of shipping goods. They brought prosperity to the towns along their routes. Perhaps most important, they helped unite the growing country.

---

**Identifying What two cities did the Erie Canal connect?**

**Canal Mileage, 1850**

- NY and PA, 1,757 miles
- OH, 792 miles
- IN, 214 miles
- IL, 100 miles
- Other states, 800 miles

---

**Reading Check**

Identifying What two cities did the Erie Canal connect?
**Western Settlement**

Americans moved westward in waves. The first wave began before the 1790s and led to the admission of four new states between 1791 and 1803—Vermont, Kentucky, Tennessee, and Ohio. A second wave of westward growth began between 1816 and 1821. Five new western states were created—Indiana, Illinois, Mississippi, Alabama, and Missouri.

The new states reflected the dramatic growth of the region west of the Appalachians. Ohio, for example, had only 45,000 settlers in 1800. By 1820 it had 581,000.

Pioneer families tended to settle in communities along the great rivers, such as the Ohio and the Mississippi, so that they could ship their crops to market. The expansion of canals, which criss-crossed the land in the 1820s and 1830s, allowed people to live farther away from the rivers.

People also tended to settle with others from their home communities. Indiana, for example, was settled mainly by people from Kentucky and Tennessee, while Michigan’s pioneers came mostly from New England.

Western families often gathered together for social events. Men took part in sports such as wrestling. Women met for quilting and sewing parties. Both men and women participated in cornhuskings—gatherings where farm families shared the work of stripping the husks from ears of corn.

Life in the West did not include the conveniences of Eastern town life, but the pioneers had not come west to be pampered. They wanted to make a new life for themselves and their families. America’s population continued to spread westward in the years ahead.

**Checking for Understanding**

1. **Key Terms** Use the following terms to write a short newspaper article about the opening of the Erie Canal: turnpike, canal, lock.

2. **Reviewing Facts** Describe the improvements for transportation in the westward expansion during the early 1800s.

3. **Science and Technology** How did steam-powered boats improve river travel?

4. **Drawing Conclusions** How did better transportation affect westward expansion?

5. **Comparing** What forms of communication and transportation linked East to West in the early 1800s? What links exist today? Re-create the diagram below and compare the links.

<table>
<thead>
<tr>
<th>Links</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early 1800s</td>
</tr>
<tr>
<td>Today</td>
</tr>
</tbody>
</table>

6. **Geography Skills** Study the information on the National Road on pages 316 and 317. When did construction of the National Road begin? To what city did it extend? How long was the National Road?

**Legendary Heroes**

**Paul Bunyan and John Henry** Legends have grown around mythical figures like Paul Bunyan. Imaginary stories were passed along about how this giant lumberjack dug the Mississippi River and performed other incredible feats. Yet some of the famous characters in American folklore were real people. There was a John Henry who worked on the railroads. He was an African American renowned for his strength and skill in driving the steel drills into solid rock. He is best remembered for something that probably never happened. According to legend, John Henry defeated a steel-driving machine, but the effort killed him.
Social Studies

CHAPTER 10 Growth and Expansion

Reading a Diagram

Why Learn This Skill?
Suppose you buy a new bicycle and discover that you must assemble the parts before you can ride it. A diagram, or a drawing that shows how the parts fit together, would make this job much easier.

Learning the Skill
To read a diagram, follow these steps:
• Read the title to find out what the diagram shows.
• Read all labels carefully to clearly determine their meanings.
• Read the legend and identify symbols and colors used in the diagram.
• Look for numbers indicating a sequence of steps, or arrows showing movement.

Practicing the Skill
Analyze the diagram of the Clermont, then answer the following questions.
1 What type of energy was used to power this ship?
2 What was the purpose of the paddle wheels?

Applying the Skill
Making a Diagram
Draw a diagram showing either how to make macaroni and cheese or how to tie a pair of shoes. Label your diagram.

Glencoe’s Skillbuilder Interactive Workbook CD-ROM, Level 1, provides instruction and practice in key social studies skills.

The Clermont Steamboat
On August 17, 1807, the Clermont steamed up the Hudson River from New York City on its way to Albany, New York. The trip took only 32 hours—a commercial success!

The Clermont was about 140 feet (43 m) long and 14 feet (4.3 m) wide.

Water is heated into steam inside the boiler.

The steam is released from the boiler as pressurized energy, which powered the pistons that moved the paddle wheels.

Two side paddle wheels pushed the steamboat upriver.

Glencoe’s Skillbuilder Interactive Workbook CD-ROM, Level 1, provides instruction and practice in key social studies skills.
Unity and Sectionalism

Main Idea
As the nation grew, differences in economic activities and needs increased sectionalism.

Key Terms
sectionalism, internal improvements, American System, disarmament, demilitarize, court-martial

Reading Strategy
Organizing Information As you read the section, re-create the diagram below and list four issues that created sectional conflict.

Read To Learn
• why sectional differences grew in the 1820s.
• what effect the Monroe Doctrine had on foreign policy.

Section Theme
Individual Action Senators Calhoun, Webster, and Clay represented different regions and different interests.

Preview of Events
✦1815 ✦1820 ✦1825

1816 James Monroe elected president
1820 Missouri Compromise passed
1823 Monroe Doctrine issued

AN American Story
Following the War of 1812, Americans felt buoyed by a new sense of pride and faith in the United States. In his Inaugural Address on March 4, 1817, President James Monroe expressed this feeling of proud nationalism: “If we look to the history of other nations, ancient or modern, we find no example of a growth so rapid, so gigantic, of a people so prosperous and happy.”

The Era of Good Feelings
The absence of major political divisions after the War of 1812 helped forge a sense of national unity. In the 1816 presidential election, James Monroe, the Republican candidate, faced almost no opposition. The Federalists, weakened by doubts of their loyalty during the War of 1812, barely existed as a national party. Monroe won the election by an overwhelming margin.

Although the Federalist Party had almost disappeared, many of its programs gained support. Republican president James Madison, Monroe’s predecessor, had called for tariffs to protect industries, for a national bank, and for other programs.
Political differences seemed to fade away, causing a Boston newspaper to call these years the **Era of Good Feelings**. The president himself symbolized these good feelings.

Monroe had been involved in national politics since the American Revolution. He wore breeches and powdered wigs—a style no longer in fashion. With his sense of dignity, Monroe represented a united America, free of political strife.

Early in his presidency, Monroe toured the nation. No president since George Washington had done this. He paid his own expenses and tried to travel without an official escort. Everywhere Monroe went, local officials greeted him and celebrated his visit.

Monroe arrived in Boston, the former Federalist stronghold, in the summer of 1817. About 40,000 well-wishers cheered him, and John Adams, the second president, invited Monroe to his home. Abigail Adams commended the new president’s “unassuming manner.”

Monroe did not think the demonstrations were meant for him personally. He wrote Madison that they revealed a “desire in the body of the people to show their attachment to the union.”

Two years later Monroe continued his tour, traveling as far south as Savannah and as far west as Detroit. In 1820 President Monroe won reelection, winning all but one electoral vote.

**Reading Check**  Describing Why was this period called the Era of Good Feelings?

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**Sectionalism Grows**

The Era of Good Feelings did not last long. Regional differences soon came to the surface, ending the period of national harmony.

Most Americans felt a strong allegiance to the region where they lived. They thought of themselves as Westerners or Southerners or Northerners. This **sectionalism**, or loyalty to their region, became more intense as differences arose over national policies.

The conflict over slavery, for example, had always simmered beneath the surface. Most white Southerners believed in the necessity and value of slavery. Northerners increasingly opposed it. To protect slavery, Southerners stressed the importance of states’ rights. States’ rights are provided in the Constitution. Southerners believed they had to defend these rights against the federal government infringing on them.

The different regions also disagreed on the need for tariffs, a national bank, and internal improvements. **Internal improvements** were federal, state, and privately funded projects, such as canals and roads, to develop the nation’s transportation system. Three powerful voices emerged in Congress in the early 1800s as spokespersons for their regions: John C. Calhoun, Daniel Webster, and Henry Clay.

**John C. Calhoun**

John C. Calhoun, a planter from South Carolina, was one of the War Hawks who had called for war with Great Britain in 1812. Calhoun remained a nationalist for some time after the war. He favored support for internal improvements and developing industries, and he backed a national bank. At the time, he believed these programs would benefit the South.

In the 1820s, however, Calhoun’s views started to change, and he emerged as one of the chief supporters of **state sovereignty**, the idea that states have autonomous power. Calhoun

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**Flag of 1818**  By 1818 the number of states had reached 20. In April President Monroe signed a bill that set the basic design of the flag. Each newly admitted state added a star to the field of blue. The addition of a new star took place on the Fourth of July following the state’s year of entry.

**The Great Star Flag**  Congress did not state how the stars should be arranged, so flagmakers used various designs. The Great Star Flag placed the stars in the form of a five-pointed star.
Webster gained fame as one of the greatest orators of his day. As a United States senator, he spoke eloquently in defense of the nation as a whole against sectional interests. In one memorable speech Webster declared, “Liberty and Union, now and forever, one and inseparable!”

**Henry Clay**

Another leading War Hawk, Henry Clay of Kentucky, became Speaker of the House of Representatives in 1811 and a leader who represented the interests of the Western states. He also served as a member of the delegation that negotiated the Treaty of Ghent, ending the War of 1812. Above all, Henry Clay became known as the national leader who tried to resolve sectional disputes through compromise.

**The Missouri Compromise**

Sectional tension reached new heights in 1820 over the issue of admitting new states to the Union. The problem revolved around slavery. The South wanted Missouri, part of the Louisiana Purchase, admitted as a slave state. Northerners wanted Missouri to be free of
slavery. The issue became the subject of debate throughout the country, exposing bitter regional divisions that would plague national politics for decades.

While Congress considered the Missouri question, Maine—still part of Massachusetts—also applied for statehood. The discussions about Missouri now broadened to include Maine. Some observers feared for the future of the Union. Eventually Henry Clay helped work out a compromise that preserved the balance between North and South. The Missouri Compromise, reached in March 1820, provided for the admission of Missouri as a slave state and Maine as a free state. The agreement banned slavery in the remainder of the Louisiana Territory north of the 36°30'N parallel.

**Reading Check** Identifying What issue did the Missouri Compromise address? How did the Northern and Southern attitudes towards slavery differ?

### The American System

Though he was a spokesperson for the West, Henry Clay believed his policies would benefit all sections of the nation. In an 1824 speech, he called his program the “American System.” The American System included a protective tariff; a program of internal improvements, especially the building of roads and canals, to stimulate trade; and a national bank to control inflation and to lend money to build developing industries.

Clay believed that the three parts of his plan would work together. The tariff would provide the government with money to build roads and canals. Healthy businesses could use their profits to buy more agricultural goods from the South, then ship these goods northward along the nation’s efficient new transportation system.

Not everyone saw Clay’s program in such positive terms. Former president Jefferson believed the American System favored the wealthy manufacturing classes in New England. Many people in the South agreed with Jefferson. They saw no benefits to the South from the tariff or internal improvements.

In the end, little of Clay’s American System went into effect. Congress eventually adopted some internal improvements, though not on the scale Clay had hoped for. Congress had created the Second National Bank in 1816, but it remained an object of controversy.

### McCulloch v. Maryland

The Supreme Court also became involved in sectional and states’ rights issues at this time. The state of Maryland imposed a tax on the Baltimore branch of the Second Bank of the United States—a federal institution. The Bank refused to pay the state tax, and the case, **McCulloch v. Maryland**, reached the Court in 1819.
Speaking for the Court, Chief Justice John Marshall ruled that Maryland had no right to tax the Bank because it was a federal institution. He argued that the Constitution and the federal government received their authority directly from the people, not by way of the state governments. Those who opposed the McCulloch decision argued that it was a “loose construction” of the Constitution, which says that the federal government can “coin” money—gold, silver, and other coins—but the Constitution does not mention paper money. In addition, the Constitutional Convention had voted not to give the federal government the authority to charter corporations, including banks. (See page 625 of the Appendix for a summary of McCulloch v. Maryland.)

Gibbons v. Ogden

Another Supreme Court case, Gibbons v. Ogden, established that states could not enact legislation that would interfere with Congressional power over interstate commerce. The Supreme Court’s rulings strengthened the national government. They also contributed to the debate over sectional issues. People who supported states’ rights believed that the decisions increased federal power at the expense of state power. Strong nationalists welcomed the rulings’ support for national power. (See page 624 of the Appendix for a summary of Gibbons v. Ogden.)

Foreign Affairs

The War of 1812 heightened Americans’ pride in their country. Abigail Adams, wife of John Adams, wrote from England to her sister back in Massachusetts:

“Do you know that European birds have not half the melody of ours? Nor is their fruit half so sweet, nor their flowers half so fragrant, nor their manners half so pure, nor their people half so virtuous.”

At the same time, many Americans realized that the United States needed peace with Britain to grow and develop. It had to put differences aside and establish a new relationship with the “Old World.”
Relations With Britain

In the years following the War of 1812, President Monroe and his secretary of state, John Quincy Adams, moved to resolve long-standing disputes with Great Britain and Spain.

In 1817, in the Rush-Bagot Treaty, the United States and Britain agreed to set limits on the number of naval vessels each could have on the Great Lakes. The treaty provided for the disarmament—the removal of weapons—along an important part of the border between the United States and British Canada.

The second agreement with Britain, the Convention of 1818, set the boundary of the Louisiana Territory between the United States and Canada at the 49th parallel. The convention created a secure and demilitarized border—a border without armed forces. Through Adams’s efforts, Americans also gained the right to settle in the Oregon Country.

Relations With Spain

Spain owned East Florida and also claimed West Florida. The United States contended that West Florida was part of the Louisiana Purchase. In 1810 and 1812, Americans simply added parts of West Florida to Louisiana and Mississippi. Spain objected but took no action.

In April 1818, General Andrew Jackson invaded Spanish East Florida, seizing control of two Spanish forts. Jackson had been ordered to stop Seminole raids on American territory from Florida. In capturing the Spanish forts, however, Jackson went beyond his instructions.

Luis de Onís, the Spanish minister to the United States, protested forcefully and demanded the punishment of Jackson and his officers. Secretary of War Calhoun said that Jackson should be court-martialed—tried by a military court—for overstepping instructions. Secretary of State John Quincy Adams disagreed.

Geography

Adams-Onís Treaty

Although Secretary of State Adams had not authorized Jackson’s raid, he did nothing to stop it. Adams guessed that the Spanish did not want war and that they might be ready to settle the Florida dispute. He was right. For the Spanish the raid had demonstrated the military strength of the United States.

Already troubled by rebellions in Mexico and South America, Spain signed the Adams-Onís Treaty in 1819. Spain gave East Florida to the United States and abandoned all claims to West Florida. In return the United States gave up its claims to Spanish Texas and took over responsibility for paying the $5 million that American citizens claimed Spain owed them for damages.

The two countries also agreed on a border between the United States and Spanish possessions in the West. The border extended northwest from the Gulf of Mexico to the 42nd parallel and then west to the Pacific, giving the United States a large piece of territory in the Pacific Northwest. America had become a transcontinental power.

Identifying What areas did the United States obtain from Spain?

Latin American Republics

While the Spanish were settling territorial disputes with the United States, they faced a series of challenges within their empire. In the early
The Monroe Doctrine

In 1822 Spain had asked France, Austria, Russia, and Prussia—the Quadruple Alliance—for help in its fight against revolutionary forces in South America. The possibility of increased European involvement in North America led President Monroe to take action.

The president issued a statement, later known as the Monroe Doctrine, on December 2, 1823. While the United States would not interfere with any existing European colonies in the Americas, Monroe declared, it would oppose any new ones. North and South America “are henceforth not to be considered as subjects for future colonization by any European powers.”

In 1823 the United States did not have the military power to enforce the Monroe Doctrine. The Monroe Doctrine nevertheless became an important element in American foreign policy and has remained so for more than 170 years.

Bolívar and San Martín

Independence in South America came largely as a result of the efforts of two men. Simón Bolívar, also known as “the Liberator,” led the movement that won freedom for the present-day countries of Venezuela, Colombia, Panama, Bolivia, and Ecuador. José de San Martín successfully achieved independence for Chile and Peru. By 1824 the revolutionaries’ military victory was complete, and most of South America had liberated itself from Spain. Portugal’s large colony of Brazil gained its independence peacefully in 1822. Spain’s empire in the Americas had shrunk to Cuba, Puerto Rico, and a few other islands in the Caribbean.
### Chapter Summary

**Growth and Expansion**

1790
- Samuel Slater builds first cotton mill in America

1793
- Eli Whitney invents the cotton gin

1801
- John Marshall is appointed chief justice of the Supreme Court

1807
- Robert Fulton builds the Clermont

1811
- National Road is begun

1816
- James Monroe elected president
  - Second National Bank is chartered

1817
- Rush-Bagot Treaty is signed

1818
- Convention of 1818 agreement is signed

1819
- Adams-Onís Treaty is signed
  - Supreme Court rules on *McCulloch v. Maryland*

1820
- Missouri Compromise is adopted

1823
- Monroe Doctrine is announced

1825
- Erie Canal is opened

### Reviewing Key Terms

On a sheet of paper, create a crossword puzzle using the following terms. Use the terms’ definitions as your crossword clues.

1. Industrial Revolution
2. factory system
3. sectionalism
4. disarmament
5. demilitarize
6. court-martial

### Reviewing Key Facts

7. What problems did cities face as a result of rapid growth during the Industrial Revolution?
8. How did the landscape of New England affect how and where people lived in the late 1700s and early 1800s?
9. How did canals boost the economy of the Great Lakes region?
10. How did North and South differ on the issue of tariffs?
11. Identify factors in the United States that made it ideal for the free enterprise system.
12. What was the American System?
13. Explain the debate involved in *McCulloch v. Maryland* and the final decision in the case. Why was the decision significant?
14. How did James Monroe change the nation’s foreign policy?

### Critical Thinking

15. Analyzing Themes: Economic Factors How did the Industrial Revolution help to make the United States more economically independent in the early 1800s?
16. Analyzing Themes: Global Connections Why did Secretary of State John Quincy Adams allow General Jackson’s invasion into Spanish East Florida in 1818?
17. Determining Cause and Effect How did the development of roads boost the growth of the United States? Use a diagram like the one shown to organize your answer.
Citizenship Cooperative Activity

26. **Exploring Your Community’s Past**  Working with two other students, contact a local historical society to learn about your community’s history. Then interview people in your neighborhood to learn about their roots in the community. Find out when their families first settled there. Write a history of the community and give a copy of it to the historical society.

Economics Activity

27. **Using the Internet**  Search the Internet for information about how to apply for a patent for an invention. Create a step-by-step list of directions describing the process.

Alternative Assessment

28. **Portfolio Writing Activity**  Review Section 2 of the chapter for information about what it was like to live in the West in the early 1800s. Record your notes in your journal. Use your notes to write a postcard to a friend describing your social life.

**Geography and History Activity**

*In 1819 Spain ceded Florida to the United States in the Adams-Onís Treaty. The Spanish had established colonies in Florida beginning in the 1500s. Study the map and answer the questions that follow.*

**Acquisition of Florida, 1819**

18. **Region**  When was the largest portion of Florida acquired from Spain?

19. **Location**  What body of water blocked further expansion of Florida to the west?

20. **Movement**  In what direction did the United States acquire the various parts of Florida?

**Practicing Skills**

*Reading a Diagram*  Study the diagram of the textile mill on page 307. Use the diagram to answer these questions.

21. What is the first step in the production of textiles?

22. At what stage does the thread become cloth?

23. What process turns the yarn into thread?

24. When would a cotton gin be necessary in this process?

25. Now choose one of the inventions mentioned in the chapter. Prepare a diagram that traces the development of that invention to a similar device in use today. For example, you might diagram the development of a modern cruise ship, showing all the improvements made from start to finish.

**Standardized Test Practice**

*Directions: Choose the best answer to the following question.*

The South opposed protective tariffs for which reason?

A  They thought tariffs would not work.

B  They had very little industry to protect.

C  They thought foreign goods were better.

D  Their main business was smuggling.

**Test-Taking Tip:**

Eliminate answers that do not make sense. For example, it is not realistic that the main business for the entire South was smuggling. Therefore, answer D cannot be correct.