

Warm-Up

Impact of the Industrial Age



Lesson
Question



Lesson Goals

Learn about the effects of

Describe how industrialization
spread from
to other countries.

Explain how industrialization
influenced .

Identify
and
that resulted from
industrialization.

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Words to Know

Fill in this table as you work through the lesson. You may also use the glossary to help you.

accelerated	to cause <input type="text"/> or <input type="text"/> progress or development
emigrate	to leave one <input type="text"/> and move to another
assembly line	a system of industrial production in which items are <input type="text"/> in a continuous flow
romanticism	an artistic and philosophical movement originating in the late 18th century that stressed <input type="text"/> and <input type="text"/>
popular culture	the <input type="text"/> or <input type="text"/> of a culture that are widely known or practiced

**The World Exposition of 1893**

The , also known as the Chicago World's Fair was held in 1893 to celebrate the 400th anniversary of the discovery of the New World in 1492.

- People walked around at night with the benefit of .
- They rode the first Ferris wheel.
- They watched the first moving pictures and saw the first electric dishwasher.

All of these advancements would not have been possible without

.

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Natural Resources in the United States

The United States' advantages included:

- navigable .
- rich resources.
- land.
- massive .

Industrialization Spreads to the United States

Britain tried to the
spread of industrial
technology.



Samuel Slater
 to the
United States in 1789.

- mechanics,
engineers, and toolmakers from
 the country
- Was a young
- the plans for
building a spinning machine

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The Lowell Mills

Francis Cabot Lowell pioneered manufacturing in the United States.

- Used to power mills
- every stage of textile production
- Improved the
- Hired and housed workers

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The Second Industrial Revolution

American industrialization exploded following the .

- Important industries included manufacturing and .
- Henry Ford perfected the .
- New and innovations turned the United States into a world power.

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Thomas Edison (1847–1931)

- Is regarded as one of the greatest in history
- Founded one of the world's first modern research
- more than 1,000 inventions

New Innovations

New innovations pioneered in the United States lives around the world.

- Telegraph (1836)
- (1876)
- Electric (1879)
- Airplane ()

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Industrialization Spreads to the Continent

Industrialization soon spread to the .

- Skilled workers secretly plans for building textile .
- was one of the first countries to industrialize.

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Industrialization of Germany

Germany began to industrialize in the

- Limited areas, mostly in the

- Coal and resources

After unification, industrialization

- Vast network of

constructed

- Second in production to the United States

Industrialization of Other Nations

- industrialization was slowed by unrest.
- Other areas would develop pockets of industrialization.

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Scientific Advancements

Industrialization in Europe led to important discoveries in and medicine.

- Marie Curie: Chemistry and

- Louis Pasteur: Chemistry and

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The Emergence of Romanticism

Romanticism emerged in the late .

- Emphasized and emotion
- Influenced , music, and

Literature of the Industrial Era

- William Wordsworth
- William

Writers Who Criticized Industrialization

- Charles
- Mark Twain

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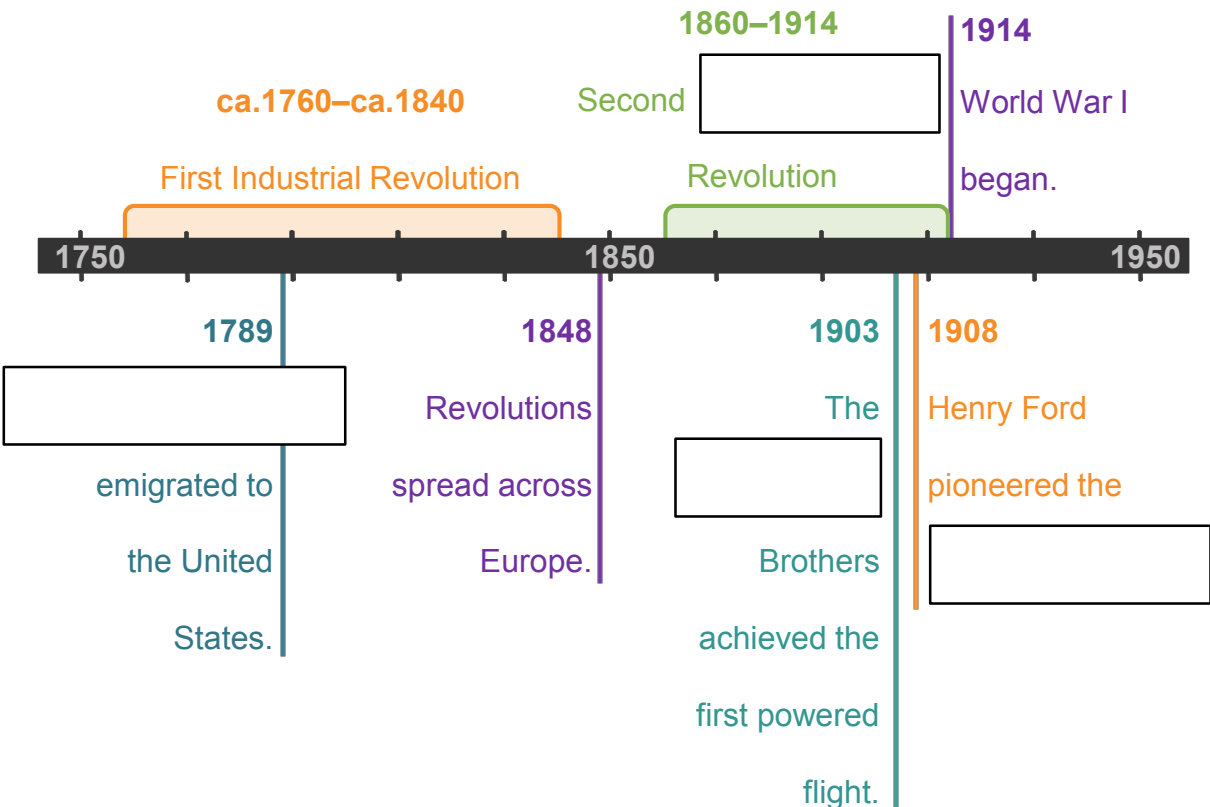
The Emergence of Popular Culture

began to grow in the late 1800s.

- Mass market books and
- activities and entertainment
- Spectator
- Vaudeville and

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Impact of Industrialization: Timeline



Summary

Impact of the Industrial Age



Lesson
Question

How did the spread of industrialization impact science, culture, and society?



Answer

Summary

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Review: Spread of Industrialization

The United States'

allowed it to industrialize rapidly.

- The Industrial Revolution turned the United States into a world power.

Industrialization spread to the

European .

- also became an economic power.

Review: Effects of Industrialization

Industrialization transformed , technology, , and society.

- -powered machinery
-
- New technology
- in art and literature
- Novels critical of industrialization's impact on the

Summary

Impact of the Industrial Age

Use this space to write any questions or thoughts about this lesson.