

Name _____

5th Grade-Mrs. Chrissy

Industrial Revolution

Directions: Answer the following questions. Remember we do this for all our chapters except I gave you the page number to help you find it in the chapter. Take your time and READ the chapter page by page. You Got this!!! So Proud of all the hard work you are doing!!!

Question	Answer
What period, which stretched from about 1760 to 1860, got its name from a series of changes in machinery and industry, as well as ideas? (pg.2)	
A slow-moving, low-tech world disappeared and was replaced with what? (pg2)	
How was life before the Industrial Revolution? (pg. 2)	
What is the percentage of people living in villages and farms? (pg. 2)	
How were most machines run before the Industrial Revolution? (pg.2)	
What are the 3 steps of the Industrial Revolution? (pg.3)	
What was invented in 1764? Who invented it and what did it do? (pg.4)	

What did Scottish inventor James Watt improve?(pg. 4)	
What was the name of Adams Smith's book? What did it say about business? (pg. 4)	
Who built the first iron bridge?(pg. 5)	
Who invented the battery?(pg. 5)	
What was Cholera? (pg. 4)	
Who invented the first Bicycle? (pg. 5)	
What was the first state to pass child labor laws? What did the new laws say? (pg. 4)	
What was fuel in the Industrial Revolution?(pg. 6)	
Who invented a cheaper way to smelt iron?(pg. 6)	
Who had the idea to power railway cars with steam?(pg.7)	

<p>On May 24, 1844, Samuel F. B. Morse sent one of the world's first what?(pg. 7)</p>	
<p>Where did Samuel Slater set up his Textile Mill? (pg. 8)</p>	
<p>Who invented the Cotton Gin and what did it do? (pg. 8)</p>	
<p>How much did a girl who worked in a mill in Lowell Massachusetts make a week?(pg. 8)</p>	
<p>What did the Erie Canal link?(pg. 9)</p>	
<p>What were some new job openings for the middle class?(pg.9)</p>	
<p>Who were the 2 early documentary photographers? (pg. 10)</p>	
<p>Pittsburgh was the _____ capital?(pg. 12)</p>	
<p>When and where was the first US Trade Union formed?(pg. 13)</p>	
<p>What were the 2 novels written during the Industrial Revolution that talked about the abuse during the time?(pg. 13)</p>	
<p>Edward Jenner invented a _____</p>	

for smallpox. (pg. 14)	
Frenchman Nicholas Appert found a way to? (pg. 14)	

Glossary

CANAL

Pronunciation kə·nəl'

Part of Speech noun

Definition An artificial waterway used for transportation and irrigation.

Word As Used in Magazine *Factories needed to ship goods quickly, so new **canals** were built. (p. 8)*

COTTON GIN

Pronunciation kɒt'n jɪn

Part of Speech noun

Definition A machine that separates cotton from its seeds.

Word As Used in Magazine *The power loom, **cotton gin**, and steam engine were invented. (p. 3)*

DOMESTIC

Pronunciation də·mēs'tɪk

Part of Speech adjective

Definition Having to do with a family or household.

Word As Used in Magazine *In this **domestic** (household) system, the whole family pitched in. (p. 4)*

HYGIENE

Pronunciation hɪ'jɛn

Part of Speech noun

Definition The science that deals with preserving health; cleanliness.

Word As Used in Magazine *Personal **hygiene**, or cleanliness, was rare in the early 1800s. (p. 14)*

INDUSTRIAL REVOLUTION

Pronunciation

ɪn·dūs'trē·əl rēv·ə·lōō'shən

Part of Speech noun

Definition The time period marking the introduction of machinery and the growth of factories.

Word As Used in Magazine *The biggest change caused by the **Industrial Revolution** was the speed of change itself. (p. 2)*

INTERCHANGEABLE PARTS

Pronunciation ɪn·tər·chān'jə·bəl pɑrtz

Part of Speech plural noun

Definition Uniform components that can be easily installed and replaced.

Word As Used in Magazine *U.S. factories perfected the use of machine-made, **interchangeable parts**. (p. 8)*

RAW MATERIALS

Pronunciation rô mə·tîr'ē·əls

Part of Speech plural noun

Definition Unprocessed natural materials that can be used in manufacturing.

Word As Used in Magazine *In about the mid-1700s, businesses began giving **raw materials**, such as newly picked cotton, to families. (p. 4)*

REAPER

Pronunciation rē'pər

Part of Speech noun

Definition A machine that harvests crops.

Word As Used in Magazine *In 1828, Scotsman Patrick Bell invented the first horse-drawn **reaper** (a machine for harvesting crops). (p. 7)*

Glossary (continued)

SANITARY

Pronunciation sän'ī-tēr-ē

Part of Speech adjective

Definition Relating to health and cleanliness.

Word As Used in Magazine *People had poor diets and bad **sanitary** habits — the things we do to stay clean and healthy, such as washing hands. (p. 2)*

SMELT

Pronunciation smĕlt

Part of Speech verb

Definition To melt ore in order to produce pure metal.

Word As Used in Magazine *In the early 1700s, English inventor Abraham Darby found a cheap way to **smelt** iron — to turn the raw material called iron ore into pure metal. (p. 6)*

TEXTILE

Pronunciation tĕks'tīl

Part of Speech noun

Definition A type of cloth or woven fabric.

Word As Used in Magazine *The **textile** (cloth-making) business was the first to move from a domestic system to a factory system. (p. 4)*

UNION

Pronunciation yōōn'yən

Part of Speech noun

Definition An organization that protects the rights of its members.

Word As Used in Magazine *The first U.S. trade **unions** — organizations to protect workers' rights — formed in New York in August 1833. (p. 13)*

VACCINATION

Pronunciation

vāk·sə·nā'shən

Part of Speech noun

Definition The process of injecting a substance to prevent disease.

Word As Used in Magazine *Within five years, people all over the world were using this method — called **vaccination** — to prevent smallpox. (p. 14)*

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Get Set to Read

DIRECTIONS What do you know about the Industrial Revolution?

Write (T) for true if you think the statement is true. Write (F) for false if you think the statement is not true. Then read *Industrial Revolution*. Check back to find out if you were correct. Write the correct answer and the page number where you found it.

T/F?		After Reading	Page
	1. The Industrial Revolution began when inventors started building machines that could increase production of goods.		4
	2. Gas was the main power source used by machinery during the Industrial Revolution.		6
	3. Thomas Savery invented the first steam pump in 1698.		6
	4. Before the invention of the reaper, farmers could harvest only two to three acres a day.		7
	5. The invention of the cotton gin led to increased slavery in Southern plantations.		8
	6. Jacob Riis and Lewis Hine were important inventors during the Industrial Revolution.		10
	7. People who worked in factories and mines received higher wages and worked fewer hours.		12
	8. People in textile mills worked 14 hours a day, 6 days a week.		13
	9. Today, Americans live almost twice as long than they did in the 19th century because of vaccination.		14
	10. Child labor was eliminated in the twentieth century.		16

Challenge: Rewrite each false sentence in a way that makes it true.

Name _____

Matching

DIRECTIONS

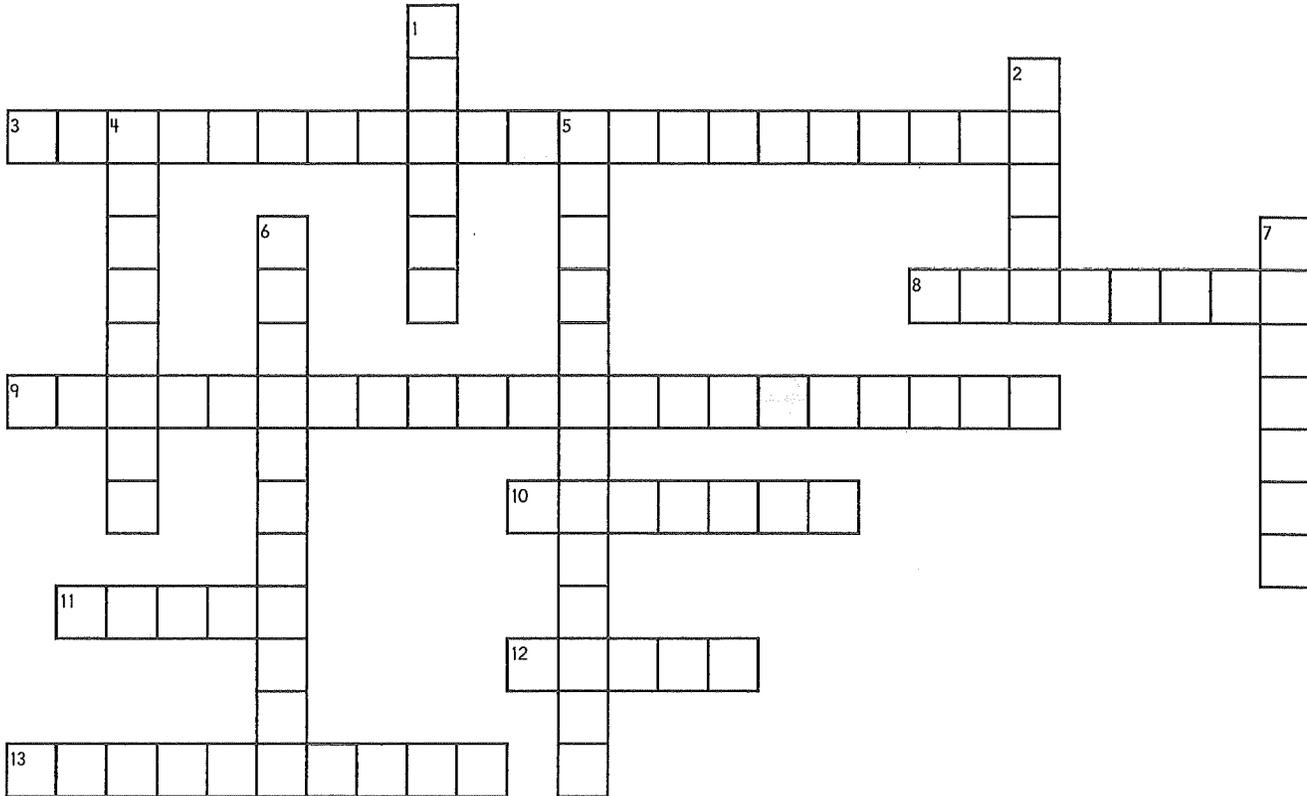
For each term in the left column, find its definition in the right column. Write the number of the correct definition next to the term.

- | | |
|--------------------------------|---------------------------------------------------------------------------------------|
| _____ canal | 1. An organization that protects the rights of its members. |
| _____ cotton gin | 2. Unprocessed natural materials used in manufacturing. |
| _____ domestic | 3. An artificial waterway used for transportation or irrigation. |
| _____ hygiene | 4. Uniform components that can be installed and replaced. |
| _____ Industrial
Revolution | 5. A type of cloth or woven fabric. |
| _____ interchangeable
parts | 6. A machine that separates seeds from cotton. |
| _____ raw materials | 7. Cleanliness. |
| _____ reaper | 8. The time period marking the introduction of machinery and the growth of factories. |
| _____ sanitary | 9. Having to do with family or household. |
| _____ smelt | 10. A machine that harvests crops. |
| _____ textile | 11. The process of injecting a substance to prevent disease. |
| _____ union | 12. Clean, germ-free. |
| _____ vaccination | 13. To melt ore in order to produce pure metal. |

Name _____

Crossword

- | | | | |
|------------|------------------------------|----------|-------------|
| canal | Industrial Revolution | sanitary | vaccination |
| cotton gin | interchangeable parts | smelt | |
| domestic | raw materials | textile | |
| hygiene | reaper | union | |



Across

- 3. the time period marking the introduction of machinery and the growth of factories
- 8. clean, germ free
- 9. uniform components that can easily be installed and replaced
- 10. a type of cloth or woven fabric
- 11. to melt ore in order to produce pure metal
- 12. an artificial waterway used for transportation
- 13. a machine that separates cotton from its seeds

Down

- 1. a machine that harvests crops
- 2. an organization that protects workers' rights
- 4. having to do with a family or household
- 5. unprocessed natural materials used in manufacturing
- 6. the process of injecting a substance to prevent disease
- 7. cleanliness

Morse Code Message

Samuel Morse invented Morse Code -- a series of dots and dashes that represent different letters and numbers. Place the correct letter above each code below to discover 4 secret words!

Use Morse Code to write secret notes to your friends!

A	B	C	D	E	F	G	H	I	J	K
·—	—···	—·—·	—··	·	··—·	—·—·	····	··	·—	—·—

L	M	N	O	P	Q	R	S	T	U	V
·—··	—	—·	—	·—·	—·—	·—·	···	—	··—	··—

W	X	Y	Z
—·—	—·—	—·—	—·—

1 ·— ·—· —

2 —·—· ·—· · — — ·· —··— ·

3 —·—· ·—· ·— —·— — — — ···

4 — — ·— ·—· —·— · —·— ···



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Name _____

Assessment

1. How did children spend most of their time before the Industrial Revolution?
 - a. playing games
 - b. reading books
 - c. telling stories
 - d. doing chores

2. Why was John Wilkinson an important figure in the Industrial Revolution?
 - a. He built with iron.
 - b. He invented the camera.
 - c. He farmed with machinery.
 - d. He invented the automobile.

3. Why did people start using coal for fuel in England during the Industrial Revolution?
 - a. Oil was expensive.
 - b. Trees were scarce.
 - c. Steam was dangerous.
 - d. Windmills were enormous.

4. Which man made the steam engine more practical?
 - a. Richard Trevithick
 - b. Thomas Savery
 - c. James Watt
 - d. Patrick Bell

Name _____

Assessment (continued)

5. Which of the following statements correctly describe Samuel Slater?

Choose the two correct answers.

- a. He wanted to power trains with steam.
- b. He established a factory in Rhode Island.
- c. He is known for helping poor people in cities.
- d. He improved transportation in the United States.
- e. He is credited with starting America's Industrial Revolution.

Match the description on the left with the name of the person who did what is described.
Write the correct letter in the space provided.

6. _____ He discovered how diseases spread.	a. Horace Wells
7. _____ He discovered a way to preserve food.	b. Edward Jenner
8. _____ He discovered a way to prevent diseases.	c. John Snow
9. _____ He discovered how to kill pain during surgery.	d. Nicholas Appert

10. How did the Industrial Revolution improve the way goods were made?

COMPELLING QUESTION

Write your answer on a separate piece of paper.

What were the positive and negative effects of the Industrial Revolution?

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Assessment (continued)

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