





TEACHER GUIDE

•	Assessment Rubric	4
•	How Is Our Resource Organized?	5
•	Bloom's Taxonomy for Reading Comprehension	6
•	Vocabulary	6

STUDENT HANDOUTS

READING COMPREHENSION

•	Technology and Globalization: An Overview	
•	Industrialization	7
•	Communications Technology	
•	The World Wide Web	
•	Technology for Transporting Goods	
•	Travel Technology	
•	Energy Technology	
•	Space Technology	
•	Hands-on Activities	11
•	Crossword	15
•	Word Search	16
•	Comprehension Quiz	17
EASY	MARKING™ ANSWER KEY	19
MINI	POSTERS	21

✓ 6 BONUS Activity Pages! Additional worksheets for your students

- Go to our website: www.classroomcompletepress.com/bonus
- Enter item CC5784
- Enter pass code CC5784D





After You Read NAME:

Industrialization

1. Use the terms in the box to answer each question.

Industrial	Revolution	steam engines	manufacturing
agricultur	e coal	steel	steam trains
(a)	The burning of wh	nich fuel powered ste	am engines?
b)	What is another w	ord for making good	s in a factory?
c)	• ,	allowed for faster and ls, goods, and people	d more efficient movement of
d)			aland when developments ure, manufacturing, and
e)	What material is u	ised to make machine	e parts in factories?
	What is another we	ord for farming?	
g)	What technology	powered industrial m	achines inside factories?

2. Fill in the chart below with descriptions to compare developed nations, developing nations, and ur

Developed Nations	Developing Nations	Underdeveloped Nations

© CLASSROOM COMPLETE PRESS





Reading Passage

NAME:

Industrialization

n 18th century England, developments in technology rapidly changed agriculture, manufacturing, and transportation. This period, from 1760-1850, is known as the **Industrial Revolution**. The use of metal tools in agriculture and the development of a scientific understanding of crops led to farming techniques that greatly increased the yield of foods and raw materials for producing fabrics, or **textiles**. The state of the stat manual labor once used to spin textiles and produce other common household goods was largely replaced by machi Energy technologies, such as steam generators, powered the machines. Coal mining produced fuel to heat water in the steam generators. Factories filled with machines were built along sources of water used for energy production. Industrial techn improved the quality and efficiency of steel produ



An old factory during the

providing raw materials for machinery. The development of steam trains allowed for faster and more efficient movement of fuels, raw materials, goods, and people.



What was the Industrial Revolution?

During industrialization, the way of life changed for a large part of the population. People moved from farm living in agricultural settings to industrialized lifestyles in growing cities. Men, women, and children became workers in factories and mines, which was often dangerous, difficult, and dirty work with very long hours and little pay. Coal burning caused excessive pollution in and around factory towns. Eventually, laws governing labor, health, and environmental conditions helped lessen some of the worst effects of the industrial revolution.

The Globalization of Industrialization

The Industrial Revolution quickly spread from England to the United States and other countries. Nations that have become industrialized are called **developed nations**. Over the last two hundred years, many nations have followed a path to industrialization that was similar to England's Industrial Revolution. **Developing nations** are those that are currently in the process of industrializing. **Underdeveloped** nations are still largely unindustrialized and rural.

© CLASSROOM COMPLETE PRESS

Technology & Globalization CCP5784-2



Activity Two

Write a Play About an Inventor

Write a short screenplay about an inventor whose work influenced globalization by helping advance communications, transportation, energy, or space technologies.

Before You Begin

Brainstorm a list of inventions that have helped accelerate the pace the internet or library resources to find out the names of the inve ntors. Choose one of the inventors to learn more about.

Do Your Research

Use the internet or library resources to learn about the life of the inventor. Try to find out about:

- · when and where the inventor was born
- where the inventor lived and worked;
- the inventor's education:
- the inventions;
- how the inventions changed people's lives;
- whether the inventor received a patent for his or her invention;
- what companies, if any, manufactured the invention;
- any conflicts the inventor may have had surrounding the invention;
- any interesting stories about the life of the inventor.

Write the Screenplay

Write an outline of the story that will be covered in your screenplay. Don't forget to include information about the inventor's life and the historical context of the invention. Then, write the lines and set directions for your screenplay. You may wish to look at examples of screenplays to get ideas about the format of a screenplay.

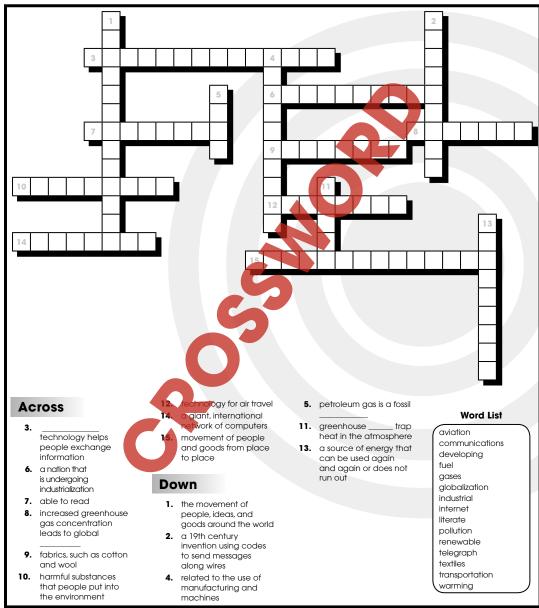
Produce the Screenplay

Choose classmates to act out the roles of characters in your screenplay. Gather materials whe backdrops and settings. If possible, use a video camera to record your screenplay.





Crossword Puzzle!



© CLASSROOM COMPLETE PRESS



Technology & Globalization CCP5784-2



Word Search

Find all of the words in the Word Search. Words are written horizontally, vertically, diagonally, and some are even written backwards.

astronaut energy literate space aviation fuel migrate echnology communications globalization nation telegraph container greenhouse ocean textiles correspondence Industrial Revolution orbit transportation developed industrialization pollution warming World Wide Web renewabl digitize internet

G	Е	D	T	Υ	Н	1	D	В	Е	L	В	A	W	Е	N	Е	R
Α	T	W	0	Е	S	J	М	Α	W	(1)	D	1	М	L	1	G	С
W	R	0	Р	R	С	R	W	1	S		D	٦	0	K	J	R	S
Α	Α	R	0	T	В	Н	Υ	U	G	10	H	В	J	D	1	В	Ν
R	Ν	L	L	D	F	1	Ν		N	R	М	Χ	V	T	S	D	0
М	S	D	L	С	J	K	T	0	E	C	Α	Α	F	Н	В	Н	1
-	Р	W	U	K	М	-	Н	T	Ł	S	F	T	J	L	Χ	٧	T
Ν	0	1	T	Α	Z		1	Α	В	0	L	G	Ε	S	Ε	E	U
G	R	D	- 1	Ε	S	K	J	V	С	Υ	G	U	U	Ν	Ν	D	L
Α	T	E	0	Н	E	P	S	E	D	F	F	Υ	Е	R	Ν	R	0
D	Α	W	Ν	J	K) Y	A	W	D	В	J	R	Е	Α	Q	E	٧
ı	T	E	G	J	1	N	J	С	W	Е	G	T	Т	Υ	U	Ν	Е
F	1	В	S	T	E	В	K	Ν	Ε	Υ	N	- 1	L	М	1	1	R
С	0	М	М	U	N	1	С	Α	Т	Ι	0	Ν	S	Е	G	Α	L
М	N	В	E	T	J	G	Α	L	S	Ν	D	F	G	S	٧	T	Α
В	N	Q	1	Ţ	Α	Z		L	Α	Ι	R	T	S	U	D	N	-
Н	U	K	М	F	S	Т	F	J	K	U	E	E	G	0	В	0	R
Υ	E	S	F	J	Е	Υ	R	S	Α	Χ	Α	W	F	Н	U	С	T
J	Α	S	T	R	0	Ν	Α	U	T	K	L	Α	S	Ν	R	D	S
G	T	E	Α	V	ı	Α	Т	I	0	Ν	U	L	U	Е	S	D	U
F	J	Т	Н	Ν	T	E	L	Е	G	R	Α	Р	Н	Е	С	N	D
0	E	U	Н	J	D	E	٧	E	L	0	Р	E	D	R	E	В	Ν
С	0	R	R	Ε	S	Р	0	Ν	D	Ε	N	С	Ε	G	В	R	

© CLASSROOM COMPLETE PRESS

Technology & Globalization CCP5784-2

After You Read 🥏 NAME:

Comprehension Quiz

Part C

Answer each question in complete sentences.

Explain how developments in transportation technology have increased the pace of global travel during the last 200 years.



Explain how technology allows goods to be shipped efficiently around the world.



Describe two ways that satellite technology is used to help people communicate, get information, or travel in a globalized world.



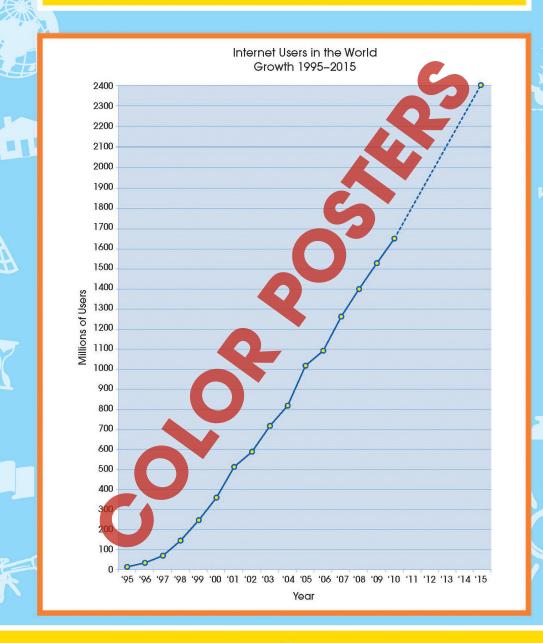


Compare and contrast how people in the 19th century and modern people communicated with faraway family members.



SUBTOTAL: **Technology & Globalization CCP5784-2**

Global Access and Use of the Internet



© CLASSROOM COMPLETE PRESS

22

Technology & Globalization CCP5784-2



After You Read

NAME:

Industrialization



_	trialization can c	rause nollutio	on problems	

Research









Write a Report

- **4.** Imagine you are on a United Nations panel that studies developing nations and makes recommendations about how to help people through the process of industrialization. Using the internet or library resources, first find out which nations are currently considered developing nations. Then, choose one national
 - when the process of industrialization began;
 - what life was like before industrialization began;
 - how life has been changing;
 - what problems are being caused by industrialization;
 - how people are benefiting from industrialization.

Using this information, write a report detailing where the nation currently is in the process of industrialization. Address any problems and make recommendations about how the problems could be alleviated and how people could be assisted through the changes that come with industrialization.





Technology & Globalization CCP5784-2



a) Answers will vary but may include, people used machines to do tasks that were once done by hand; people worked in factories instead of farms.

> ssil fuels to ver factories; mining coal.

ANSWER KEY



