





| <b>TEACHER</b> | CHIDE |
|----------------|-------|
| ILACIILI       | GUIDL |

| • | 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                         |    |
|    | •  | Communications Technology                 | 7  |
|    | •  | The World Wide Web                        |    |
|    | •  | Technology for Transporting Goods         |    |
|    | •  | Travel Technology                         |    |
|    | •  | Energy Technology                         |    |
|    | •  | Space Technology                          |    |
|    | •  | Hands-on Activities                       | 12 |
|    | •  | Crossword                                 | 16 |
|    | •  | Word Search                               | 17 |
|    | •  | Comprehension Quiz                        | 18 |
| EA | SY | MARKING™ ANSWER KEY                       | 20 |
| MI | NI | POSTERS                                   | 22 |

## ✓ 6 BONUS Activity Pages! Additional worksheets for your students

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







2. Use the words below to fill in the timeline of communications technologies. Then, write a sentence about how each technology changed people's ability to communicate.

e) The development of

development of radio and television

| US Postal Service begins first telephones | hieroglyphics | digitized information          |
|---|---------------|--------------------------------|
|   | a ———         | 4,100 B.C.E.                   |
|   | b ———         | 1775                           |
|   | c ———         | 1870s                          |
|   | d ———         | 1900s                          |
| © CLASSROOM COMPLETE PRESS                | Tec           | hnology & Globalization CCP578 |

Technology & Globalization CCP5784-3

ormation allowed for the



Reading Passage

NAME:

## **Communications Technology**

#### ritten Communication

One of the first and most basic forms of communications technologies

was the development of written languages. Archaeological evidence shows that picture words, or heiroglyphics, were used since about 4,100 B.C.E. Writing allowed information to be stored and transported from one area to another. The development of lightweight media to transport written text, such as papyrus in ancient Egypt and paper in ancient China, allowed information



to travel farther and more easily. The invention of the printing press in the middle of the 15th century in Europe, greatly increased the volume of print communications. Until then, all printed communications, even books, had to be copied by hand. After the printing press was invented, the amount of books in existence surged, and a greater percentage of the population learned to read, or became **literate**.



#### What does it mean to be literate?

#### **Postal Service**

Early forms of postal service—an organized, systematic transportation and delivery of written communications—were found in the ancient world in places like Egypt and China as early as the second millennia B.C.E. Because written communications, or **correspondence**, had to be physically moved from one area to another, long distance communication was tied to the development of transportation technologies. Communications between nations moved slowly, carried at first by foot and horseback, and later on trains and ships. The United States Postal Service (USPS) began in 1775, when Benjamin Franklin was appointed the first postmaster general, overseeing the operation of the USPS. By the early 1800s, the USPS was the largest postal service in the world. Regular delivery of mail allowed people to stay more connected, and merchants and governments were able to conduct business across great distances.

© CLASSROOM COMPLETE PRESS



Technology & Globalization CCP5784-3



## Hands-On Activity # 3

## **Activity Three**

#### **Design a Transportation System**

International business travelers and tourists need transportation around major cities and tourist locations. Imagine you are a regional planner for a popular travel assimation. Plan a system that will allow people to move between international airports destinations in and around cities, such as:

- business districts
- universities
- tourist sites
- natural landmarks

#### **Do Your Research**

First, use library and internet resources to research a major city and its surrounding region. Find a map of the region and mark the locations of 10-12 destinations above. Find out about current transportation technologies that use alternative energy sources. Use that information to design a modern transportation system for your region.

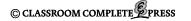
#### Plan Your Transportation System

Overlay a piece of tracing paper or Mylar on your map. Draw lines to show the routes of different parts of your transportation. Use different colors to represent different means of travel. Draw a key to help viewers interpret the transportation system.

#### **Design a Brochure**

Create a brochure that travelers can use to get information about your region's transportation system. Be sure to include the following information:

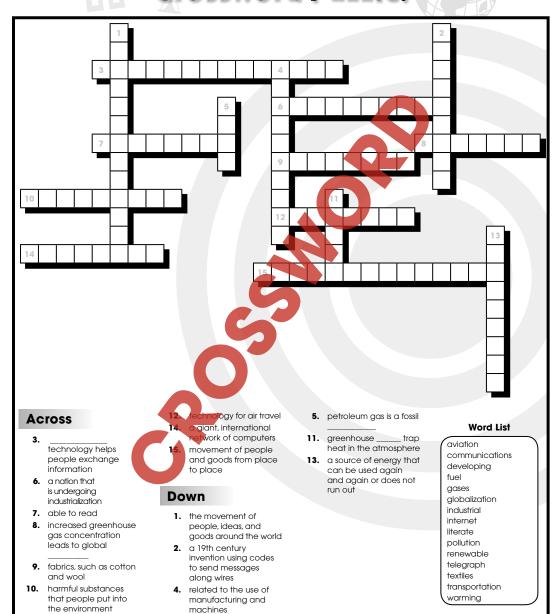
- what transportation technologies are used in different parts of the system;
- where travelers are picked up and dropped off;
- what alternative energy sources are used to power different vehicles in your rsportation system;
- nat modern technologies and amenities your transportation system uses to accommodate the needs of international travelers.





NAME:

## **Crossword Puzzle!**



© CLASSROOM COMPLETE PRESS



Technology & Globalization CCP5784-3

NAME:





## **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 aviation fuel migrate communications globalization nation container greenhouse ocean correspondence Industrial Revolution orbit industrialization developed pollution digitize internet

renewabl



| G | Е | D | Т | Υ | Н |   | D | В      | Е | L | В  | A | W | Е | N | Е | R |
|---|---|---|---|---|---|---|---|--------|---|---|----|---|---|---|---|---|---|
| Α | Т | W | 0 | Е | S | J | М | Α      | W | G | D  | 1 | М | L | Т | G | С |
| W | R | 0 | Р | R | С | R | W | I      | S |   | D  | U | 0 | K | J | R | S |
| Α | Α | R | 0 | T | В | Н | Υ | U      | G | 4 | H  | В | J | D | 1 | В | Ν |
| R | Ν | L | L | D | F | Ι | Ν | 1      | Ν | R | М  | Χ | ٧ | T | S | D | 0 |
| М | S | D | L | С | J | Κ | T | 0      | E | С | Α  | Α | F | Н | В | Н |   |
| ı | Р | W | U | K | М | 1 | Н | T      |   | S | F  | T | U | L | Х | V | T |
| Ν | 0 | 1 | T | Α | Z |   | 1 | Α      | В | 0 | L  | G | Е | S | E | Е | U |
| G | R | D | ı | E | S | K | J | V      | С | Υ | G  | U | U | Ν | Ν | D | L |
| Α | T | E | 0 | Н | F | 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 | Е | ٧ |
|   | T | E | G | J | 1 | N | J | С      | W | E | G  | T | T | Υ | U | Ν | E |
| F |   | В | S | T | E | B | K | Ν      | Е | Υ | N  |   | L | М |   | - | R |
| С | 0 | М | М | U | N |   | С | Α      | T | ı | 0  | N | S | E | G | Α | L |
| М | N | В | E |   | J | G | Α | L      | S | N | D  | F | G | S | V | T | Α |
| В | N | Q |   | I | Α | Z |   | L      | Α | ı | R  | T | S | U | D | Ν |   |
| Н | U | K | M | F | S | T | F | J      | K | U | E  | E | G | 0 | В | 0 | R |
| Υ | E | S | F | J | E | Υ | R | S      | A | Х | Α  | W | F | Н | U | С | Τ |
| J | A | S | Τ | R | 0 | N | A | U      | Τ | K | L  | Α | S | N | R | D | S |
| G | T | E | Α | V |   | A | T | <br> - | 0 | N | U  | L | U | E | S | D | U |
| F | J | T | Н | N | T | E | L | E      | G | R | Α_ | P | Н | E | C | N | D |
| 0 | E | U | Н | J | D | E | V | E      | L | 0 | Р  | E | D | R | E | В | N |
| С | 0 | R | R | Е | S | Р | 0 | N      | D | Е | N  | С | Е | G | В | R |   |

© CLASSROOM COMPLETE PRESS

© CLASSROOM COMPLETE PRESS



Technology & Globalization CCP5784-3



NAME:

## Comprehension Quiz



#### Part A

Circle TRUE if the statement is TRUE or FALSE if it is FALSE.

1. In the first millenium B.C.E., humans were trading goods and technologies over long trade routes with the aid of domesticated animals.

**TRUE FALSE** 

The period from 1900–1950 in the United States is known as the ndustrial Revolution. **TRUE FALSE** 

The telegraph was invented in the early 18th century

**FALSE** The World Wide Web was developed in the latter part of the 20th century.

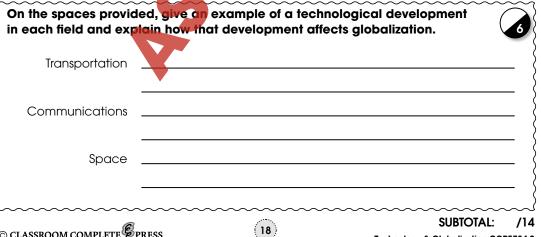
- Natural gas is a renewable energy resource. **FALSE**
- By the late 1950s, jet aircraft outpaced steam sh os for use in international travel. TRUE **FALSE** nagnetic technology.

Telephones depend on the use of ele

**FALSE** vay to transport goods from the places Cargo airplanes are the most efficient where they are made to the places where they are sold.

**FALSE** 

### Part B



SUBTOTAL: /14

Technology & Globalization CCP5784-3

**Communications Technology** 



25

NAME:

## After You Read



## Communications Technology

- **3. a)** Explain how the invention of the printing press changed the amount of information people had access to.
  - **b)** Explain the role of electromagnetic technology in the advancement of communications.

## 7

## Write a Story

Research



how people communicated with family and friends;

- how merchants communicated with customers;
- how governments communicated with citizens;
- how people obtained news and information;
- any communications technologies that developed around that time and how they may have changed the way people communicated.

Using this information as background, write a story about characters that lived during your chosen time period. Include descriptions of how people communicated, and any technologies they used. If there were recent developments in communication technologies, describe the changes they caused. Share your stories as a class in chronological order.





Technology & Globalization CCP5784-3

3.

The printing press greatly increased the volume of printed materials available, and more people became literate.



b) Electromagnetic technology allowed for the sending of signals along wire, wich led to the poment of elegraph and telephone.

# ING ANSWER KEY

