

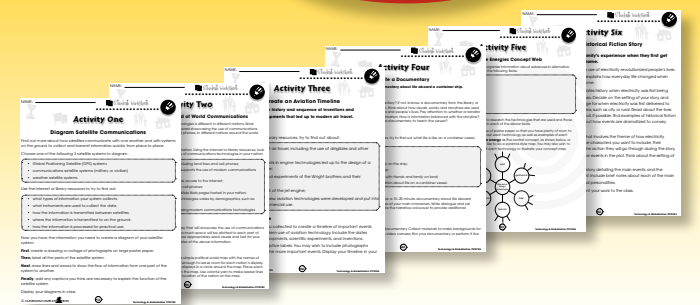
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Travel Technology



1. a) On the spaces provided, list five different technologies people can use to travel from one location to another.

- b) How do you think the ways people travel have changed over time? Write your response on the spaces provided.

2. Match the term on the left to its definition on the right. You may use a dictionary to help you.

- | | | | |
|---|---------------|---|---|
| 1 | dirigible | more than one period of a thousand years | A |
| 2 | millenia | between different nations | B |
| 3 | accelerate | an aircraft that is lighter than air | C |
| 4 | automobile | to go faster | D |
| 5 | international | a vehicle that is powered by mechanical means | E |



Travel Technology

The movement of people from one part of the world to another is part of the process of globalization. People travel for different reasons. They may move from one region to another, or **migrate**, in search of jobs or a better lifestyle. They may also travel for business, leisure, or education. The same technologies for moving goods and freight have also been used by people for travel. For millenia, people have used horses and camels to travel overland, and small boats to travel along rivers and across small seas. In Colonial times, settlers from the European nations traveled by sailing ship to the colonies. Later, the invention of the steam engine led to travel by railroad and steam ships, which were larger and faster than sailing ships. Advances in engine technology eventually led to the development of small automobiles, such as cars.



What does it mean to migrate?

Aviation Technology

The development of technology to move people through air, or **aviation** technology, allowed people to move quickly across great distances.

Most international travel today is accomplished by aviation technology. The technology for floating aircraft, or dirigibles, such as hot air balloons existed for hundreds of years. Advances in engine technology led to the development of airplanes in the 20th century. The first airplanes were small propeller planes that did not transport many people at a time. Jet engines, developed in the mid-20th century, allowed for the building of larger, faster aircraft that could carry a greater number of people. By the late 1950s, jet aircraft outpaced steam ships for use in international travel. Jet service also greatly increased the affordability of international travel. By 1968, over six million people a year were traveling across the Atlantic on jets. In the year 2000, nearly 700 million people visited a foreign country, mostly by air travel. This increased movement of people between nations allows for greater cultural exchange and has significantly contributed to the accelerated pace of globalization over the last few decades.



Aviation technology



Travel Technology



1. Put a check mark (✓) next to the answer that is most correct.

- a) What technology did settlers in Colonial times use to travel from Europe to the American colonies?

- A dirigibles
 B sailing ships
 C small propeller planes
 D steam ships

- b) Which is an example of a dirigible?

- A a hot air balloon
 B a jet airplane
 C a propeller plane
 D a sailing ship

- c) In which century did advances in technology allow for the invention of the first propeller airplanes?

- A 17th century
 B 18th century
 C 19th century
 D 20th century

- d) About how many people traveled internationally in the year 2000, mostly by the use of jet aircraft?

- A fewer than 500,000
 B about 750,000
 C about six million
 D nearly 700 million



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 of globalization. Use the internet or library resources to find out the names of the inventors. 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

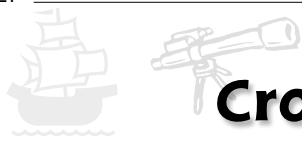
Write an outline of the story that will be covered in your screenplay. Don't forget to include information about the inventor's life and the historical context of the invention. Then, write the lines and set directions for your screenplay. You may wish to look at examples of screenplays to get ideas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

Produce the Screenplay

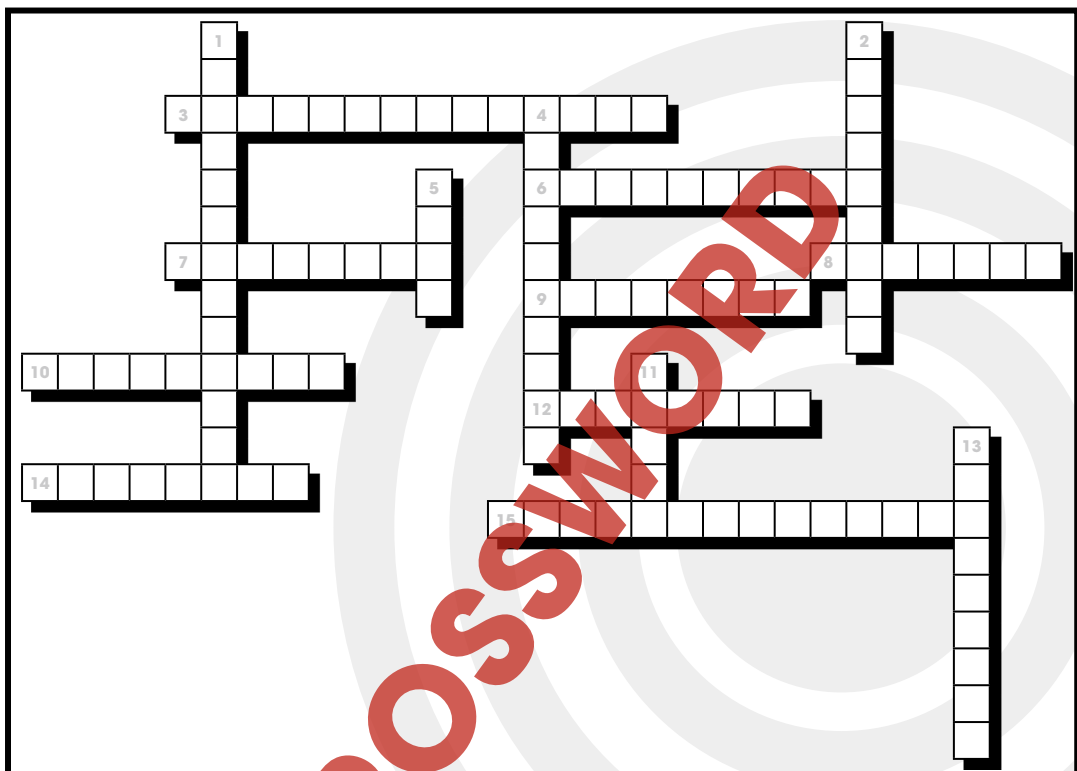
Choose classmates to act out the roles of characters in your screenplay. Gather materials needed to make backdrops and settings. If possible, use a video camera to record your screenplay.

NAME: _____

After You Read



Crossword Puzzle!



Across

- 3. _____ technology helps people exchange information
- 6. a nation that is undergoing industrialization
- 7. able to read
- 8. increased greenhouse gas concentration leads to global _____
- 9. fabrics, such as cotton and wool
- 10. harmful substances that people put into the environment

Down

- 1. the movement of people, ideas, and goods around the world
- 2. a 19th century invention using codes to send messages along wires
- 4. related to the use of manufacturing and machines

- 5. petroleum gas is a fossil _____
- 11. greenhouse _____ trap heat in the atmosphere
- 13. a source of energy that can be used again and again or does not run out

Word List

aviation
communications
developing
fuel
gases
globalization
industrial
internet
literate
pollution
renewable
telegraph
textiles
transportation
warming



After You Read

NAME: _____

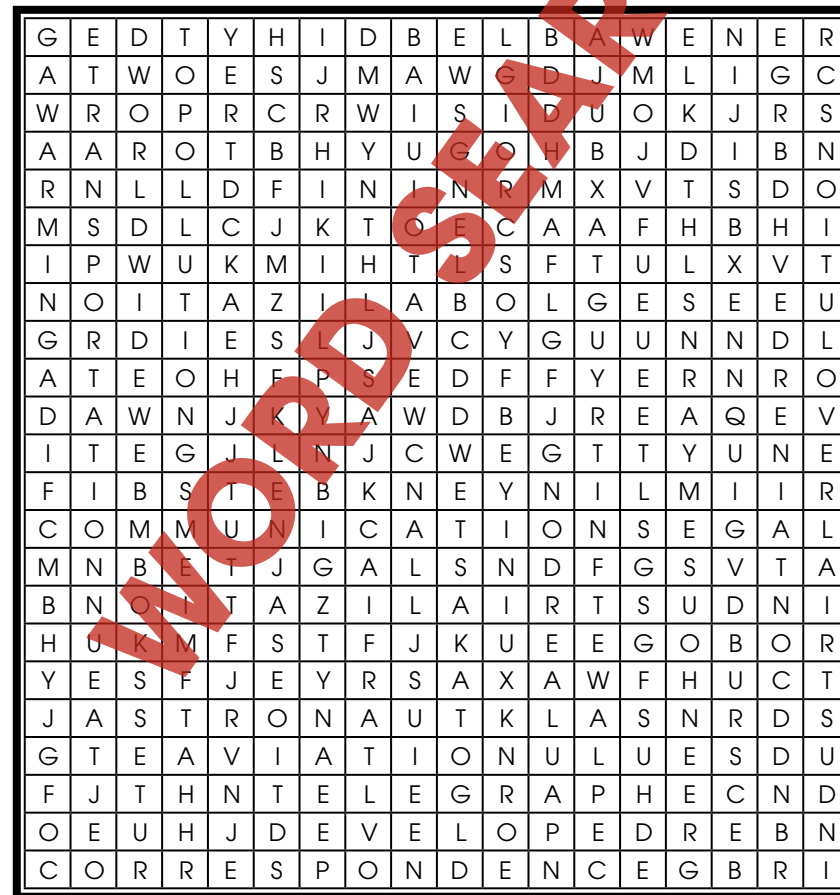


Word Search



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

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



After You Read

NAME: _____

Comprehension Quiz



Part C

Answer each question in complete sentences.

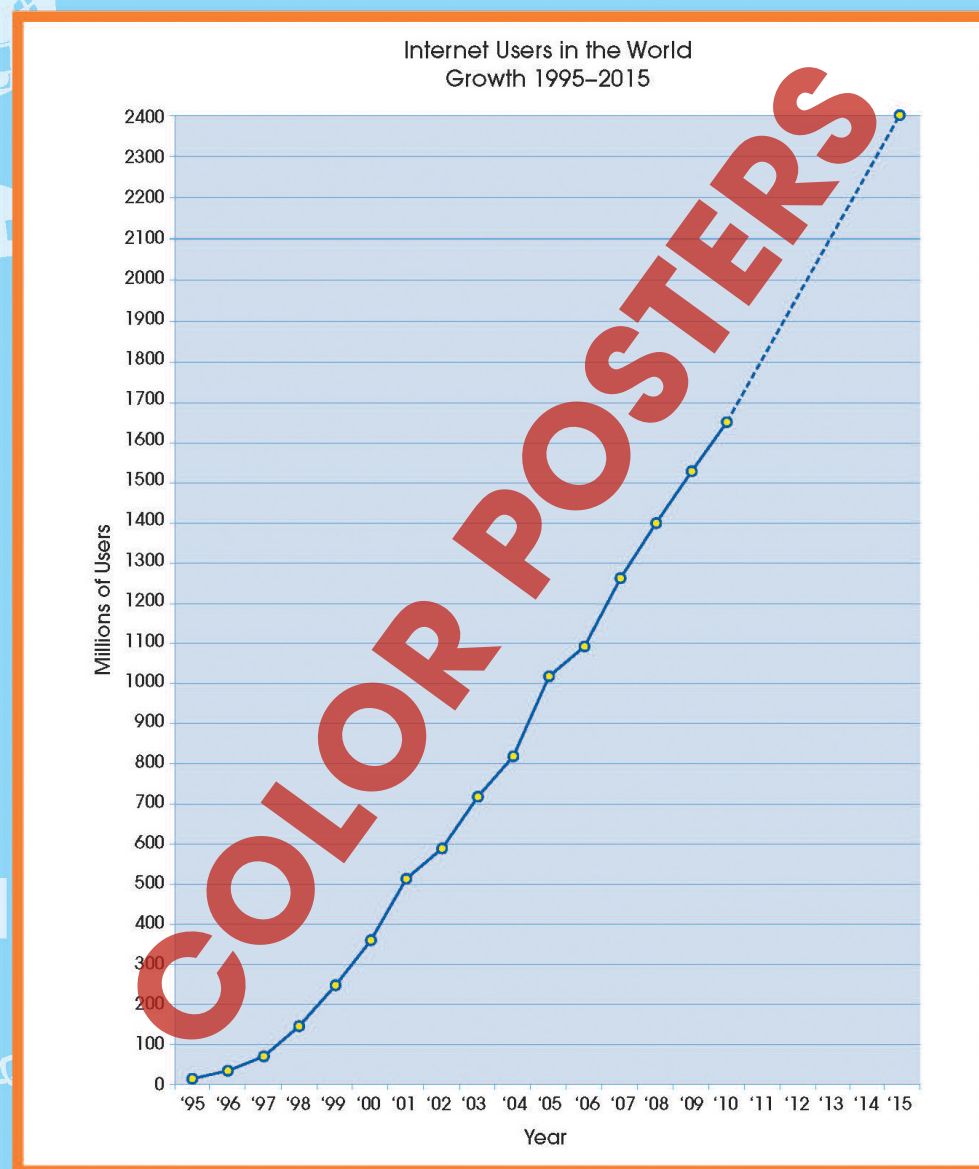
- 1. Explain how developments in transportation technology have increased the pace of global travel during the last 200 years.

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

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

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

Global Access and Use of the Internet





After You Read

NAME: _____



Travel Technology



2. a) Explain how the invention of the steam engine changed the way people traveled.

b) Explain how the development of aviation technology has affected the rate of globalization over the last 100 years.

Research

Advertise a New Transportation Technology

3. Find out more about a new technology that impacts the way people travel from one place to another. Use the internet or library resources to find out about new transportation technologies, such as hybrid, electric, fuel cell, and other different types of car engines; high-speed trains; and advances in jet engines. Then, choose one new technology to learn more about. Try to find out:

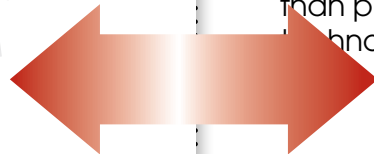
- when the new technology was invented;
- how the new technology was tested and developed;
- if and when the new technology became available for everyday use;
- what problems the new technology was developed to address;
- how the new technology may change transportation.

Use this information to create a poster advertising the new transportation technology. Use images, labels, and short phrases to convey the main points about your technology. Display all the posters in your classroom and have a transportation fair. Have each student look at all the posters and ask questions. Talk about which technologies you would like to use in the future, and how advances in travel technologies may change the way people travel over the next 25 years.

2.

a) The invention of the steam engine allowed the development of railways and steam ships.

b) Jet travel allowed more people to travel internationally. It was more affordable and faster than previous technologies.



EASY MARKING ANSWER KEY

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