

Name _____

mischief	procedure	dizzy	politician
genuine	nowadays	hilarious	experiment

Use a word from the box to answer each question. Then use the word in a sentence.

- How can a spinning ride at the playground make you feel? _____

- What is another word for *real*? _____

- What word can be used to compare something with the past? _____

- What might a scientist use as a test to discover something? _____

- What would you call a person who seeks public office? _____

- How might you describe your favorite comedian on television? _____

- What can someone create if they cause harm or trouble? _____

- How would you describe a series of steps used to accomplish an action?

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Name _____

Read the selection. Complete the problem and solution graphic organizer.

Problem	Solution

Name _____

Read the passage. Use the summarize strategy to find the most important ideas in the passage.

Breaking the Silence

10 American Sign Language is used by millions of people. The
 21 hearing impaired have used it for years. A young science student
 30 named José Hernández-Rebollar noticed that few people who could
 39 hear knew ASL. They couldn't communicate with the hearing
 53 impaired. He set out to make a new tool that would help solve this
 67 problem. With it, he also saw a new way for the hearing impaired to
 communicate.

68 **Early Years**

70 Hernández-Rebollar worked as an engineer in his native Mexico.
 79 He even had a part in making what became the largest telescope in
 92 the world!

94 In 1998, he received a grant to study in the United States. He chose
 108 to get his Ph.D. degree at George Washington University, where he
 119 studied electrical engineering. In 2000, he began work on his school
 130 project. It was an idea for a new glove.

139 **His Invention**

141 Hernández-Rebollar called his tool the AcceleGlove. What was
 149 the logic? People used their hands to sign. The glove could turn sign
 162 language into spoken or printed words.

168 This process of turning movement into voice involves many steps.
 178 It starts when the glove is put on the hand and strapped to the arm.
 193 The glove sends signals made by where and how the hand and wrist
 206 move. The glove compares where the wrist and hand are to where the
 219 body is.

Name _____

A computer receives the signals. It then categorizes and links the hand movement with the correct word. An automatic computer voice then says the word.

Uses for the Glove

The AcceleGlove can do many things. It can be helpful when something is urgent. People can exchange words quickly. It can also be used to teach ASL or for other forms of sign language.

The glove can translate ASL into Spanish as well as English. This can help people who move to this country. There is hope that one day the glove will help create one common sign language. Each country would not need its own.

Also, the total number of words that the glove knows will increase as more studies are done. There will be fewer mistakes.

There are other uses for the glove for people who can hear. People in the armed forces use a communication technique that involves silent gestures out in the field. The glove can help them send wireless notes back and forth. They would only need to move their hands.

It can also be used for fun in the online world of games. To move within a video game or direct a game with the glove are new ways a person can play.

Hernández-Rebollar's AcceleGlove has a wide range of uses. It is a tool that could end up meeting the needs of the hearing and non-hearing alike.



Dr. Hernández-Rebollar's AcceleGlove helps hearing and non-hearing people communicate.

Name _____

A. Reread the passage and answer the questions.

1. What problem is presented in paragraph 1?

2. What solution is presented to the problem in paragraph 1?

3. What is another example of a possible problem and its solution in paragraph 8?

B. Work with a partner. Read the passage aloud. Pay attention to rate and accuracy. Stop after one minute. Fill out the chart.

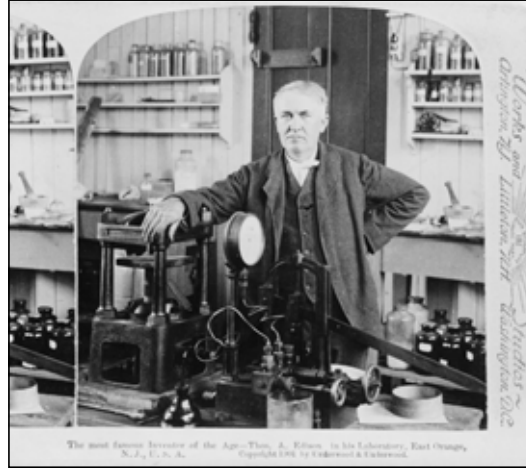
	Words Read	–	Number of Errors	=	Words Correct Score
First Read		–		=	
Second Read		–		=	

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Name _____

Thomas Edison

Thomas Edison was one of the world's greatest inventors. He was born in 1847 in Milan, Ohio. As a child, Edison was curious about the way things worked. Many of Edison's inventions led to machines that we still use today. In 1877, he invented the phonograph, which later became the record player. In 1879 he made a long-lasting light bulb. His Kinetograph of 1891 later became the movie camera.



Library of Congress, Prints and Photographs Division

Thomas Edison thought up over 1,000 inventions.

Answer the questions about the text.

1. How can you tell this text is a biography?

2. What text feature is included in this text?

3. How do the photo and caption help you understand the text better? What information do they give you?

4. In what order are the events of the text told?

Name _____

Greek root*tele**log**mis**auto**techn***Meaning**

far

thought

wrongly

self

art, skill

Read the sentences below. Then look at the Greek roots and their meanings above. Underline the word in each sentence that contains a Greek root and write the Greek root on the line. Then write the definition of the underlined word on the line.

1. He even had a part in making what became the largest telescope in the world!

2. What was the logic?

3. An automatic computer voice then says the word.

4. There will be fewer mistakes.

5. People in the armed forces use a communication technique that involves silent gestures out in the field.

Name _____

A. Read each sentence. Underline the word with a vowel team syllable. On the line, write the letters that make the vowel team.

1. My trainer helped me practice for the game. _____
2. Is he giving a discount for this scratched item? _____
3. I will study to increase my chances of getting a better grade. _____
4. I will not reveal the secret of her amazing magic trick. _____
5. A baboon is an interesting type of animal. _____
6. The staircase rose endlessly to the sky. _____

B. Read the meanings of the roots. Draw a line to match the words with the same root. Then write the meaning of the root on the line.

The Greek root *scop* means “see.”

The Latin root *ped* means “foot.”

The Greek root *bio* means “life.”

The Latin root *aud* means “listen.”

The Greek root *photo* means “light.”

- | | | |
|------------------|------------|-------|
| 1. autobiography | periscope | _____ |
| 2. pedestrian | telephoto | _____ |
| 3. telescope | pedal | _____ |
| 4. auditorium | biological | _____ |
| 5. photocopier | audible | _____ |

Name _____

Evidence is details and examples from a text that support a writer’s opinion. The student who wrote the paragraph below cited evidence that shows how the author uses photographs and captions in a text.

Topic sentence	→	In “Thomas Edison,” the author included an interesting photograph and caption that provide more details about the topic.
Evidence	→	The photograph that the author used shows Thomas Edison standing in his laboratory. The photograph lets me see what Thomas Edison looked like. The caption tells me that Edison had thought up more than 1,000 inventions.
Concluding statement	→	I like the fact that the caption the author included gives me information that is not in the text. Seeing what Edison looked like makes him seem more real to me.

Write a paragraph about a text you have chosen that contains photographs and captions. Cite evidence from the text to show how well the author uses photos and captions to add more details about the topic. Remember to use reasons and evidence to support your opinion and use adjectives that compare correctly.

Write a topic sentence: _____

Cite evidence from the text: _____

End with a concluding statement: _____

Name _____

A. Read the draft model. Use the questions that follow the draft to help you use transitions to connect ideas.

Draft Model

Why is the smartphone the most important invention? It helps people stay connected. It allows people to look up information easily. You can use it to get directions. It is not just a phone—it is a tiny computer.

1. How many supporting sentences are there for this draft model?
2. Is there a logical flow from one idea to the next?
3. What transition words would fit well at the beginning of some of the supporting sentences?

B. Now revise the draft by adding transitions to move smoothly from one idea to another.
