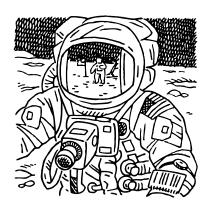
# **Pioneers in Space**

Read each source below. Then complete the activities on pages 63–65.

#### Source 1

### astronaut

- 1. from the Greek words astron meaning "star" and nautes meaning "sailor"
- **2.** In English-speaking countries, an astronaut is a person who is trained to travel on or is traveling on a spacecraft.
- **3.** In Russian/Soviet countries, such a person is referred to as a cosmonaut (from the Greek *kosmos* meaning "universe" and *nautes* meaning "sailor")



#### Source 2

#### Dear Sasha.

In class today, we learned about the history of Russian space travel. Wow, your countrymen accomplished a lot of firsts in space travel. Of course, you live in Russia, but it was called the Soviet Union back then.

Mr. Roman taught us that a dog named Laika was the first animal to orbit Earth. The Soviet space program sent Laika into orbit way back in 1957. Poor Laika did not survive the flight.

In 1961, a man named Yuri Gagarin became the first human to orbit Earth. He flew on a ship called Vostok 1, and he did survive. Just two years later aboard Vostok 6, Valentina Tereshkova became the first woman in space. Two years after that, Alexei Leonov was the first person to walk in space. On March 18, 1965, he spent 10 minutes outside of his spaceship. I cannot imagine being the first person to ever do something like that. All of these Soviet astronauts must have been very brave!

Your friend, Andrew

#### Source 3

If you remember, class, we talked yesterday about such space pioneers as John Glenn who, in 1962, became the first American to orbit Earth. In 1998, the 77-year-old Glenn also earned the distinction of being the oldest person to fly into space.

We also read about Neil Armstrong. During the *Apollo 11* mission, this legendary astronaut became the first person to walk on the moon. This happened on July 20, 1969.

Now please open your *America's Space Pioneers* textbooks to chapter 5, "Women in Space." Today, we will be reading about such American heroes as Sally Ride and Eileen Collins. In 1983, Ms. Ride became the first American woman in space. (I should point out here that a Soviet cosmonaut by the name of Valentina Tereshkova was the first woman in space, a feat she accomplished two decades earlier.) In 1995, Eileen Collins became the first female to pilot a U.S. mission in space.

Okay, let's have someone read the first paragraph. Do I have any volunteers?



# Pioneers in Space (cont.)

Information	Sources	<b>→</b> 1	2	3	
1. The first animal in space did not survive.		0	0	0	
2. Valentina Tereshkova was the first woman in s	pace.	0	0	0	
3. The word astronaut has Greek origins.		0	0	0	
4. A human first orbited Earth in 1961.		0	0	0	
<ul><li>5. Who was the first female to pilot a ship into span</li><li>A Valentina Tereshkova</li></ul>	ace?  © Sally Ride				
	_				
Alexei Leonov	Eileen Collins				
6. If you combine the meaning of its Greek root w	ords, what exactly does the wor	d <i>astronau</i>	t mean?	•	
(A) "star sailor"	© "space pioneer"				
® "star traveler"	① "space traveler"				
7. In writing, italic (or slanted) type is used to disintalic type is used in "Pioneers in Space." Whi		Find all of t	he ways	in whic	
A for the names of spaceships	© for the name of b	① for the name of book titles			
® for words in a foreign language	① for the name of cl	① for the name of chapters in a book			
<b>8.</b> From the information given in Source 2, the re is a fact?	ader can infer that one of the fo	llowing is a	fact. W	hich on	
Andrew is American.	O Andrew is a high-	① Andrew is a high-school student.			
Andrew is not Russian.	① Andrew is studyin	g to be an	astronau	ıt.	
Part 2. Coarch "Dionogra in Chase" to find and ave	mple of each of the following. T	han weita th	o numb	or of th	
<b>Part 3:</b> Search "Pioneers in Space" to find one exa ource in which you located this information.	imple of each of the following. T	nen wheeth	C HUIHDE	כו טו נווו	
9. two-word phrase meaning "20 years"		Source #:			
<b>10.</b> homophone for the plural of "foot"		Source #:			

# Pioneers in Space (cont.)

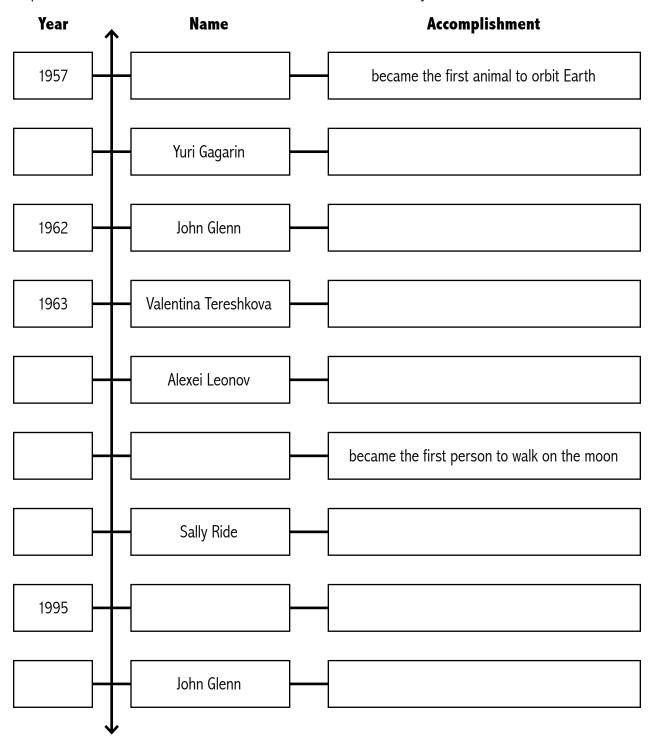
	Name:
Part	4: Refer back to the sources, and use complete sentences to answer these questions.
11.	Look back at Source 2. What mistake does Andrew make near the end of his letter? Pretend you are Sasha. Write a one- or two-line text message to Andrew, explaining the mistake he made. Use a friendly, helpful tone in your message.
12.	Think back on the feats described in Sources 2 and 3. Which do you think would have been the most exciting to accomplish? Which would have been the most frightening? On the lines below, choose one feat on which to focus. Tell your feelings about it and why you think you would have been most excited or frightened to have done it.

# Pioneers in Space (cont.)

Name:	

## Part 4 (cont.):

13. Complete the timeline below. Some information has been filled in for you.



# **Answer Key** (cont.)

#### Part 3

The source number is given in parentheses.

9. misused (1)

10. inexact (2)

#### Part 4

- 11. *Infallible* means "perfect" or "does not make mistakes." This definition is indirectly given in Source 1. Since we learn in Source 2 that the prefix *in-* means "not," we can deduce that *fallible* means "not perfect" or "capable of making mistakes."
- 12. fore, for; piece, peace; Theirs, There's; cot, caught
- 13. Accept appropriate responses.

## Unit 18. Pioneers in Space (page 62)

#### Part 1

- 1. Source 2
- 3. Source 1
- 2. Sources 2 and 3
- 4. Source 2

#### Part 2

- 5. D
- 6. A
- 7. D 8. B

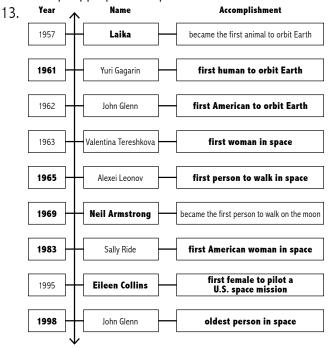
#### Part 3

The source number is given in parentheses.

- 9. two decades (3)
- 10. feat (3)

#### Part 4

- 11. Students should point out that Andrew referred to Soviet space travelers as "astronauts." The correct term is "cosmonauts."
- 12. Accept appropriate responses.



### Unit 19. A Grain of Salt (page 66)

#### Part 1

- 1. Source 4
- 3. Sources 2, 3, and 5
- 2. Sources 3 and 4
- 4. Sources 2, 3, and 4

#### Part 2

- 5. C
- 6. D
- 7. D
- 8. A

## Part 3

The source number is given in parentheses.

- 9. *the* (2)
- 10. FOREVER (3)

#### Part 4

- 11. Vick Z. Accept appropriate rewrites that contain complete sentences and proper grammar.
- 12. Todd Pepper. He owns a competing restaurant, and this would likely affect his opinion. He stands to profit from taking business away from Grain of Salt.
- 13. A. Foodie

## Unit 20. Winning Isn't Everything (page 69)

#### Part 1

- 1. Source 4
- 3. Source 2
- 2. Source 5
- 4. Source 4

## Part 2

- 5. D
- 6. A
- 7. B
- 8. B

### Part 3

The source number is given in parentheses.

- 9. capsizing (4)
- 10. sacrificed (4)

#### Part 4

- 11. Accept appropriate responses in which students accurately rewrite one of the quotes, paraphrase the chosen quote, and then give an example of it from everyday life.
- 12. Most likely, students will choose the quote from Source 2. Lemieux did not win his race, but his heroic actions saved two of his fellow sailors.
- 13. Accept appropriate responses.

## Unit 21. Two One-of-a-Kinds (page 72)

### Part 1

- 1. Mole and Platypus
- 3. Mole
- 2. Platypus
- 4. Neither

### Part 2

5. C

- 7. A
- 6. B (44 teeth, 22 appendages)
  - 8. B