



A DREAM TAKES FLIGHT

Beyond the Sky

Read about the invention of liquid-fuel rockets, the history of human space travel, and the accomplishments of NASA space missions to the moon, Mars, and beyond in *Beyond the Sky*.

What did you learn?

QUESTIONS

1. The man who built a spaceship for *The Lady on the Moon* was ...
 - a. Konstantin Tsiolkovsky
 - b. Robert H. Goddard
 - c. Orville Wright
 - d. Hermann Oberth
2. The first artificial satellite was launched by ...
 - a. The United States
 - b. The Soviet Union
 - c. The United Kingdom
 - d. China
3. The first person to set foot on the moon was ...
 - a. Albert Einstein
 - b. Neil Armstrong
 - c. Buzz Aldrin
 - d. Alan Shepard
4. The Soviet Union launched the first space laboratory in ...
 - a. 1969
 - b. 1970
 - c. 1971
 - d. 1972
5. What does *Vostok* mean?
6. The Sojourner rover explored which planet?

TRUE OR FALSE?

- | | |
|---|--|
| _____ 1. Many scientists feel that Konstantin Tsiolkovsky was the father of space flight. | _____ 4. Apollo 11 was launched in July 1965. |
| _____ 2. The first creature to travel into space was a cat. | _____ 5. The temperature on the moon ranges from about -280°F (-173°C) to 260°F (127°F). |
| _____ 3. Yuri Gagarin from the Soviet Union was the first person to go into space. | _____ 6. Pathfinder reached Mars in 1997. |

ANSWERS

- 1. d. Hermann Oberth.** According to section "Into Space" on page 10, we know that "A man named Hermann Oberth built a spaceship in 1929. It was not a real spaceship—it was a pretend spaceship for a German science-fiction movie, *The Lady on the Moon*." So, the correct answer is D.
- 2. b. The Soviet Union.** According to section "Into Space" on page 12, we know that "On October 4, 1957, a huge rocket went thundering up from a plain in the Soviet Union . . . The successful launching of the first artificial satellite into space was a great experiment." So, the correct answer is B.
- 3. b. Neil Armstrong.** According to section "Far Out and Close In" on page 25, we know that "Neil Armstrong became the first person to set foot on the moon." So, the correct answer is B.
- 4. c. 1971.** According to section "Living in Outer Space" on page 51, we know that "The Soviet Union launched the first space laboratory in 1971." So, the correct answer is C.
- 5.** According to page 17, *Vostok* means "east" in Russian.
- 6.** According to page 41, the Sojourner rover explored Mars.

TRUE OR FALSE? ANSWERS

- 1. True.** According to section "Into Space" on page 7, we know that "Today, many scientists feel that Tsiolkovsky was the 'father' of space flight—the first person to find answers to many of the problems that had to be solved before human beings could go into space." So, the correct answer is True.
- 2. False.** According to section "Into Space" on page 13, we know that "On Nov. 3, 1957, a female dog named Laika, meaning 'barker' in Russian, became the first creature from Earth to travel into space." So, the correct answer is False.
- 3. True.** According to section "Into Space" on page 16, we know that "And inside the ball was Yuri Gagarin, a major in the Soviet Air Force. He was the first person to go into space." So, the correct answer is True.
- 4. False.** According to section "Far Out and Close In" on page 27, we know that "On July 16, 1969, Apollo 11 was launched to the moon." So, the correct answer is False.
- 5. True.** According to section "Far Out and Close In" on page 31, we know that "We now know that the moon's temperature varies tremendously. It ranges from about -280°F (-173°C) at night to 260°F (127°F) during the daytime." So, the correct answer is True.
- 6. True.** According to section "Far Out and Close In" on page 41, we know that "It was carried to Mars by a lander called Pathfinder that reached the planet on July 4, 1997." So, the correct answer is True.