

South Korea's Lunar Ambitions & Next-Gen Rockets: Space Missions & Tech

Space Exploration · Answer Key · 18 Questions

1. What is the primary goal of South Korea's 'K-Moonshot' initiative?

- A) To develop advanced AI for military applications
- B) To establish a domestic low-Earth orbit satellite communication network and promote lunar economy participation**
- C) To create a new space museum in Seoul
- D) To train astronauts for a Mars mission

2. Which South Korean launch vehicle is being developed to support advanced space missions, including lunar exploration, and aims for reusability by 2035?

- A) Nuri (KSLV-II)
- B) Naro-1
- C) KSLV-III**
- D) HANBIT-TLV

3. By what year does South Korea aim to launch its first private-sector small lunar lander?

- A) 2029
- B) 2030**
- C) 2031
- D) 2032

4. What is the target year for South Korea to establish a domestically developed low-Earth orbit satellite communication network, similar to SpaceX's Starlink?

- A) 2030
- B) 2032
- C) 2035**
- D) 2040

5. Which South Korean lunar orbiter mission, launched in August 2022, marked the country's first step into deep space exploration?

- A) Danuri (KPLO)**
- B) Arirang-2
- C) Chollian-2A
- D) STSAT-2

6. What is the projected value of South Korea's domestic aerospace industry by 2035, according to recent government strategies?

- A) 700 billion Korean won
- B) 7 trillion Korean won
- C) 70 trillion Korean won**
- D) 700 trillion Korean won

7. The Korea AeroSpace Administration (KASA), established in May 2024, aims to position South Korea among the world's top how many space powers by 2045?

- A) Top 3
- B) Top 5**
- C) Top 7
- D) Top 10

8. What is the primary focus of South Korea's 'Aerospace Industry Promotion Strategy' approved by the National Space Committee in July 2026?

- A) Developing military-grade drones
- B) Transitioning the aerospace industry to private-sector leadership and expanding global market share**
- C) Focusing solely on asteroid mining
- D) Establishing a space tourism program

9. Which South Korean launch vehicle is planned to be used for the 2030 private small lunar lander mission?

- A) KSLV-III
- B) Naro-1
- C) HANBIT-NANO
- D) Nuriho (KSLV-II)**

10. What is the ambitious goal for South Korea's Mars exploration, with a target landing year set for 2045?

- A) To establish a research base through international cooperation with SpaceX**
- B) To send a probe solely using domestic technology
- C) To mine Martian resources
- D) To send the first human mission to Mars

11. Which of the following is NOT a planned lunar exploration phase for South Korea between 2029 and 2032?

- A) Lunar orbit communication satellite in 2029
- B) Private-led small lunar lander in 2030
- C) Lunar rover mission in 2031**
- D) National lunar lander in 2032

12. What is the main objective of the 'Space Pioneer Program,' a 10-year initiative running from 2021 to 2030?

- A) To develop technologies for asteroid mining
- B) To support the industry-led development of key technologies for launch vehicles, satellite buses, and payloads**
- C) To establish a manned space station
- D) To send the first Korean astronaut to the ISS

13. South Korea plans to develop a next-generation launch vehicle, the KSLV-III, with a projected initial launch carrying a lunar orbiter in which year?

- A) 2029
- B) 2030**
- C) 2031
- D) 2032

14. Which of these is a stated goal of South Korea's space program concerning its aerospace industry by 2035?

- A) To have 500 domestic aerospace companies
- B) To increase the number of domestic aerospace companies to 1,200 units**
- C) To focus solely on large-scale government projects
- D) To reduce the number of domestic aerospace companies to promote efficiency

15. What is the estimated investment required for South Korea's first lunar lander project, including private funding?

- A) 44 billion Korean won
- B) 440 billion Korean won**
- C) 4.4 trillion Korean won
- D) 44 trillion Korean won

16. What role does Korea Aerospace Industries (KAI) play in South Korea's expanding space initiatives?

- A) It exclusively focuses on aircraft manufacturing
- B) It is developing AI-equipped unmanned aerial vehicles and integrating them with satellites**
- C) It is not involved in the space sector
- D) It only provides ground support for launches

17. South Korea aims to strengthen its surveillance and reconnaissance capabilities against North Korea by launching how many spy satellites under contract with SpaceX by 2025?

- A) Three
- B) Four
- C) Five**
- D) Six

18. The Naro Space Center, South Korea's primary spaceport, is located in which province?

- A) Gyeongsangnam-do
- B) Jeollanam-do**
- C) Chungcheongnam-do
- D) Gyeonggi-do