

# Asia's Lunar Leap: Japan's Pinpoint Landing, China's Sample Returns, and India's Ambitions

Space Exploration · Answer Key · 10 Questions

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**1. Which Asian country successfully achieved its first precision lunar landing with the SLIM mission in January 2024, making it the fifth nation to land on the Moon?**

- A) China
- B) Japan**
- C) India
- D) South Korea

**2. What was a key technological achievement of China's Chang'e-6 mission, completed in June 2024?**

- A) The first soft landing on the far side of the Moon.
- B) The first sample return mission from the far side of the Moon.**
- C) Establishing the first permanent lunar base.
- D) Deploying a rover to the lunar south pole.

**3. India's Chandrayaan-3 mission in 2023 was historically significant for achieving what lunar milestone?**

- A) Being the first mission to detect water ice on the Moon.
- B) Successfully landing a probe in the Moon's south polar region.**
- C) The first successful sample return from the Moon's far side.
- D) Establishing direct communication with a lunar base.

**4. Which Asian nation is developing the Xuntian (or China Space Station Telescope - CSST), a powerful space telescope designed to rival the James Webb Space Telescope?**

- A) Japan
- B) South Korea
- C) India
- D) China**

**5. South Korea's space program has recently achieved a milestone with the successful launch of which indigenous rocket, enabling independent orbital launch capabilities?**

- A) Nuri (KSLV-II)**
- B) Long March 5
- C) H-IIA Rocket
- D) PSLV

**6. The Chang'e-4 mission by China achieved a significant first in 2019 by accomplishing what?**

- A) The first soft landing on the Moon's far side.**
- B) The first lunar sample return mission.
- C) The first successful interplanetary voyage beyond the Earth-Moon system.
- D) The first robotic landing on Mars.

**7. Japan's SLIM mission, in addition to its precision landing, aimed to demonstrate a proof of concept for what type of spacecraft?**

- A) A large-scale orbital telescope.
- B) A lightweight, accurate Moon lander.**
- C) An asteroid sample return vehicle.
- D) A reusable interplanetary shuttle.

**8. India's space program, led by ISRO, is known for its cost-effectiveness. Which past mission demonstrated this by reaching Mars on its first attempt?**

- A) Chandrayaan-3
- B) Aditya-L1
- C) Mangalyaan (Mars Orbiter Mission)**
- D) AstroSat

**9. China's Chang'e-5 mission successfully returned lunar samples to Earth. What was significant about these samples?**

- A) They were the first samples from the Moon's far side.
- B) They were the first relatively young lunar samples obtained by humans.**
- C) They contained evidence of microbial life.
- D) They were primarily composed of water ice.

**10. Which East Asian nation is developing the Korea Aerospace Administration (KASA) to integrate its space efforts and aims for global space economic power by 2045?**

- A) Japan
- B) China
- C) South Korea**
- D) Taiwan