

# Australia's Ascendancy in Space: Artemis Missions, Lunar Rovers & Deep Space

Space Exploration · Answer Key · 10 Questions

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**1. What significant role did Australia play in NASA's Artemis II mission, which aimed to return humans to lunar space?**

- A) Providing the launchpad for the Orion spacecraft.
- B) Developing the primary propulsion system for the mission.
- C) Offering critical deep-space network infrastructure for communications and tracking.**
- D) Designing and manufacturing the lunar lander.

**2. Australia is a founding signatory to which international agreement that guides the principles for safe and sustainable space exploration?**

- A) The Mars Exploration Treaty.
- B) The Lunar Resource Utilization Pact.
- C) The Artemis Accords.**
- D) The Outer Space Treaty.

**3. What is the name of the Australian-made rover that is set to travel to the Moon as part of NASA's lunar exploration efforts?**

- A) MoonBot
- B) Roo-ver**
- C) Astro-Moo
- D) Lunar Explorer

**4. Which Australian organization is responsible for coordinating civil space matters and supporting the growth of the national space industry?**

- A) CSIRO
- B) The Australian Space Agency**
- C) Geoscience Australia
- D) The Royal Australian Air Force

**5. In which year did Australia host the 76th International Astronautical Congress (IAC), a major global space event?**

- A) 2024
- B) 2026
- C) 2025**
- D) 2023

**6. What groundbreaking discovery was made by Australian amateur astronomers regarding a ring around a dwarf planet named Quaoar?**

- A) They discovered the first known ring made of ice.
- B) They found a ring that defied existing astronomical theories.**
- C) They identified a ring composed entirely of dark matter.
- D) They were the first to observe rings around a planet outside our solar system.

**7. Which Australian company was authorized to launch its Eris 1 launch vehicle from the Bowen Orbital Spaceport, marking the first Australian commercial orbital launch permit?**

- A) Fleet Space Technologies
- B) Neumann Space
- C) Gilmour Space Technologies**
- D) Element Robotics

**8. Katherine Bennell-Pegg made history in 2024 by becoming the first person to qualify as what under the Australian flag?**

- A) Chief Mission Scientist
- B) Space Station Commander
- C) Astronaut**
- D) Lunar Geologist

**9. Australia's involvement in space exploration dates back to the International Geophysical Year in 1957, with the hosting of what type of facilities?**

- A) Astronaut training centers
- B) Rocket manufacturing plants
- C) Space tracking stations**
- D) Satellite assembly facilities

**10. Which Australian university's scientists played a leading role in an international breakthrough revealing that the universe may manufacture black holes via multiple distinct pathways?**

- A) The University of Sydney
- B) The University of Melbourne
- C) Monash University**
- D) The University of Queensland