

# Australia's Lunar Leap: Roo-ver's 2030 Mission & Artemis II Success!

Space Exploration Australia · Answer Key · 10 Questions

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**1. What is the name of the Australian-made lunar rover scheduled to land on the Moon's South Pole region in 2030?**

- A) Moon-Roo
- B) Astro-Rover
- C) Roo-ver**
- D) Lunar-Mate

**2. Which recent NASA mission saw Australia play a critical role in tracking and communications?**

- A) Artemis I
- B) Artemis II**
- C) Apollo 11
- D) Voyager 1

**3. Australia's contribution to the Artemis II mission included support from which national science agency?**

- A) Geoscience Australia
- B) CSIRO**
- C) Defence Science and Technology Group
- D) Australian National University

**4. The Australian Space Agency signed the Artemis Accords in which year, establishing principles for civil space exploration?**

- A) 2018
- B) 2019
- C) 2020**
- D) 2021

**5. Researchers in Australia have discovered evidence of a giant asteroid impact through unique pieces of glass called:**

- A) Tektites**
- B) Obsidian
- C) Fulgarites
- D) Basalt

**6. What is the approximate age of the newly discovered tektites found exclusively in parts of South Australia, suggesting a previously unknown impact event?**

- A) 780,000 years
- B) 1 million years
- C) 11 million years**
- D) 50 million years

**7. Which Australian facility, managed by CSIRO, is part of NASA's Deep Space Network and supported the Artemis II mission?**

- A) Parkes Observatory
- B) Mount Stromlo Observatory
- C) Canberra Deep Space Communications Complex**
- D) Siding Spring Observatory

**8. Australia's first lunar rover, 'Roo-ver,' is planned to be carried to the Moon as part of which NASA initiative?**

- A) Commercial Lunar Payload Services (CLPS)**
- B) Gateway Program
- C) Human Landing System (HLS)
- D) Lunar Reconnaissance Orbiter (LRO)

**9. The Australian National University (ANU) partnered with NASA for Artemis II using what type of communication technology at their Quantum Optical Ground Station?**

- A) Radio waves
- B) Satellite uplink
- C) Laser (optical) communications**
- D) Microwave transmission

**10. Which Australian company is responsible for the end-to-end re-entry operation for space capsules landing at the Koonibba Test Range?**

- A) Gilmour Space Technologies
- B) Southern Launch**
- C) Fleet Space Technologies
- D) Equatorial Space Systems