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## Six Exciting Space Missions Planned After Artemis II Launch

### Description

The Artemis II mission has returned safely, marking the first time humans have been to the Moon since 1972. The crew completed a flight around the Moon but did not land. This mission prepares for Artemis III, which aims to land a crew, including the first woman on the Moon, in 2027.

Exciting space missions will happen before then. One is the Chang'e 7 mission from China, planned for August 2026. This mission will land at the Moon's south pole, where scientists found water ice. The lander will investigate this ice, which could help answer important questions about our Solar System. It will use a rover and a flying probe to explore the area.

NASA will launch the Nancy Grace Roman Space Telescope after September 2026. This telescope will look at a larger part of the sky than previous ones, helping scientists study stars, black holes, and planets.

Additionally, the PLATO spacecraft will launch in late 2026 to find Earth-like planets around other stars. It will use special cameras to detect changes in stars' brightness caused by passing planets.

These missions show that space exploration is an active and thrilling field, providing more knowledge and possibly new discoveries about our universe.

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### Vocabulary List:

1. **lander** //lændər// (noun): vehicle that lands on another body
2. **investigate** //ɪn'vestə,geɪt// (verb): try to find facts or information
3. **telescope** //tɛlə,skəʊ// (noun): tool to see far objects in space
4. **detect** //dɪ'tɛkt// (verb): find or notice something not obvious
5. **brightness** //braɪtnəs// (noun): how much light something gives or has
6. **spacecraft** //speɪs,kɹæft// (noun): a vehicle used to travel in space

### Comprehension Questions

#### Multiple Choice

1. What year did the Artemis II mission return safely?



- Option: 1969
- Option: 1972
- Option: 2022
- Option: 2023

2. What is the aim of the Artemis III mission?

- Option: To study stars
- Option: To land a crew on the Moon
- Option: To launch a space telescope
- Option: To find Earth-like planets

3. When is the Chang'e 7 mission planned to occur?

- Option: 2025
- Option: 2026
- Option: 2027
- Option: 2028

4. What will the Nancy Grace Roman Space Telescope help scientists study?

- Option: Planets
- Option: Comets
- Option: Asteroids
- Option: Satellites

5. What does the PLATO spacecraft aim to find?

- Option: Black holes
- Option: Mars
- Option: Earth-like planets
- Option: Space debris

6. What will the Chang'e 7 mission investigate?

- Option: Water ice
- Option: Solar flares
- Option: Asteroids
- Option: Meteor showers

### True-False

7. The Artemis II mission landed on the Moon.



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8. The first woman on the Moon is set to land during the Artemis III mission.
  9. The Chang'e 7 mission will land at the Moon's north pole.
  10. The Nancy Grace Roman Space Telescope will launch before September 2026.
  11. PLATO will use special cameras to detect planets.
  12. Space exploration is no longer an exciting field.

### Gap-Fill

13. The Artemis II mission has returned safely, marking the first time humans have been to the Moon since 1972. The crew completed a flight around the Moon but did not land. This mission prepares for Artemis III, which aims to land a crew, including the first woman on the Moon, in \_\_\_\_\_.
14. One is the Chang'e 7 mission from China, planned for August 2026. This mission will land at the Moon's south pole, where scientists found \_\_\_\_\_ ice.
15. NASA will launch the Nancy Grace Roman Space Telescope after \_\_\_\_\_ 2026.
16. The PLATO spacecraft will launch in late \_\_\_\_\_ to find Earth-like planets around other stars.
17. The lander will investigate this ice, which could help answer important \_\_\_\_\_ about our Solar System.
18. These missions show that space exploration is an active and thrilling \_\_\_\_\_ providing more knowledge and possibly new discoveries.

### Answer

**Multiple Choice:** 1. 2023 2. To land a crew on the Moon 3. 2026 4. Planets 5. Earth-like planets 6. Water ice

**True-False:** 7. False 8. True 9. False 10. False 11. True 12. False

**Gap-Fill:** 13. 2027



14. water 15. September 16. 2026 17. questions 18. field

## Vocabulary quizzes

### Multiple Choice ( Select the Correct answer for each question. )

1. What term describes the process of increasing the size or scope of something?  
Option: Contraction  
Option: Expansion  
Option: Reduction  
Option: Stability
2. What is the term for a spacecraft that is operated without a crew on board?  
Option: Manned  
Option: Piloted  
Option: Uncrewed  
Option: Controlled
3. Which word means to discover or identify the presence of something?  
Option: Ignore  
Option: Miss  
Option: Detect  
Option: Overlook
4. What word describes something that is complex and difficult to analyze or understand?  
Option: Simple  
Option: Obvious  
Option: Complicated  
Option: Straightforward
5. Which term pertains to the methods and principles of science?  
Option: Artistic  
Option: Literary  
Option: Scientific  
Option: Philosophical
6. What word refers to the level of light emitted by an object?



- Option: Dimness
- Option: Brightness
- Option: Shadiness
- Option: Dullness

7. Which term refers to the process of designing and producing the container for a product?

- Option: Labeling
- Option: Packaging
- Option: Shipping
- Option: Marketing

8. What term describes a sudden attack or incursion into a place, often to steal or cause damage?

- Option: Defense
- Option: Invasion
- Option: Raid
- Option: Withdrawal

9. What term is used to describe the main antagonist in a story or movie?

- Option: Hero
- Option: Antagonist
- Option: Villain
- Option: Protagonist

10. What is an instrument used to observe distant objects by collecting light?

- Option: Microscope
- Option: Binoculars
- Option: Telescope
- Option: Camera

**Gap-Fill ( Fill in the blanks with the correct word from the vocabulary list. )**

11. The software requires a new \_\_\_\_\_ to improve its performance.

12. The spacecraft was designed to \_\_\_\_\_ on the lunar surface.

13. Scientists aim to \_\_\_\_\_ the effects of climate change.

14. The astronauts are on a special \_\_\_\_\_ to Mars.

15. The files may become \_\_\_\_\_ if not saved properly.



16. The \_\_\_\_\_ provides a summary of the system's performance.
17. The software is currently in \_\_\_\_\_ testing phase.
18. The spacecraft has traveled \_\_\_\_\_ than any previous mission.
19. The novel explores several recurring \_\_\_\_\_ such as love and betrayal.
20. The new policy aims to address \_\_\_\_\_ challenges facing the region.

**Matching Sentences ( Match each definition to the correct word from the vocabulary list. )**

21. The movie's soundtrack added emotional depth to the story.
22. The brightness of the stars can be measured by their magnitude.
23. Her scientific research contributed to significant advancements in medicine.
24. The villain's motives were revealed in the final act of the play.
25. The police conducted a raid on the suspected drug hideout.
26. The team was tasked to investigate the unusual readings from the sensor.
27. An uncrewed mission to Mars is planned for the next decade.
28. The expansion of the universe is a topic of much debate in astronomy.
29. Proper packaging is essential to ensure the safety of products during shipping.
30. The new dashboard design offers a more user-friendly interface.

**Answer**

**Multiple Choice:** 1. Expansion 2. Uncrewed 3. Detect 4. Complicated 5. Scientific 6. Brightness 7. Packaging  
8. Raid 9. Villain 10. Telescope

**Gap-Fill:** 11. update 12. land 13. investigate 14. mission 15. corrupt 16. dashboard 17. beta 18. farther  
19. themes 20. economic

**Matching sentence:** 1. soundtrack 2. brightness 3. scientific 4. villain 5. raid 6. investigate 7. uncrewed  
8. expansion 9. packaging 10. dashboard



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## Date Created

2026/04/13

## Author

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