



Artemis II Reaches Midpoint on Moon Mission, Shares Earth Images

Description

The Artemis II mission has successfully moved along its path towards the Moon. NASA announced that the spacecraft has passed the halfway point between Earth and the Moon.

The astronauts on Artemis II are the first to approach the Moon since Apollo 17 in 1972. They will not land on the Moon because the mission is a test of the capsule. NASA plans to land humans on the Moon in 2028 and eventually build a base there.

On Friday night, mission control in Houston spoke with the four astronauts inside the Orion capsule. They told the astronauts they were now closer to the Moon than to Earth, being 219,000 kilometres (136,080 miles) away from home.

The crew, made up of American astronauts Christina Koch, Victor Glover, Reid Wiseman, and Canadian Jeremy Hansen, is on a "free-return" path. This path allows the capsule to use the Moon's gravity to help it return to Earth without extra fuel.

The astronauts took stunning photographs of Earth during their journey, which NASA shared. They reported that it was a beautiful view. Although it was cold inside the capsule, the astronauts worked together to make it a comfortable home. They also fixed minor problems, including a toilet that briefly malfunctioned.

Vocabulary List:

1. **spacecraft** //ˈspeɪs,kɹæft// (noun): a vehicle built to travel in space
2. **capsule** //ˈkæpsəl// (noun): a small vehicle for people in space
3. **approach** //əˈprɒtʃ// (verb): to move closer to someone or something
4. **gravity** //ˈɡrævɪti// (noun): the force that pulls objects toward Earth
5. **malfunctioned** //mælˈfʌŋkʃənd// (verb): to stop working correctly or fail
6. **eventually** //ɪˈvenʃʊəli// (adverb): after a long time; in the end

Comprehension Questions

Multiple Choice



1. What is the primary purpose of the Artemis II mission?

- Option: To land on the Moon
- Option: To test the capsule
- Option: To gather Earth data
- Option: To build a Moon base

2. Which astronauts are part of the Artemis II crew?

- Option: Neil Armstrong and Buzz Aldrin
- Option: Christina Koch and Victor Glover
- Option: Sally Ride and Mae Jemison
- Option: John Glenn and Alan Shepard

3. How far away from Earth are the astronauts during their communication with mission control?

- Option: 150,000 kilometres
- Option: 200,000 kilometres
- Option: 219,000 kilometers
- Option: 250,000 kilometres

4. When does NASA plan to land humans on the Moon?

- Option: 2025
- Option: 2026
- Option: 2028
- Option: 2030

5. What unique path is the Artemis II capsule on?

- Option: Direct path
- Option: Free-return path
- Option: Circular path
- Option: Economical path

6. What did the astronauts photograph during their journey?

- Option: Mars
- Option: The Moon
- Option: Saturn
- Option: Earth

True-False



7. The Artemis II mission will land astronauts on the Moon.
8. The spacecraft has passed the halfway point to the Moon.
9. The astronauts on Artemis II are the first to approach the Moon since Apollo 17.
10. The astronauts have reported that it is warm inside the capsule.
11. The crew includes both American and Canadian astronauts.
12. NASA plans to build a base on the Moon after the Artemis II mission.

Gap-Fill

13. The Artemis II mission has passed the halfway point between Earth and the Moon, making them currently _____ kilometres away from Earth.
14. NASA plans to land humans on the Moon in _____ and eventually build a base there.
15. The astronauts on Artemis II will not _____ on the Moon during this mission.
16. The crew is on a _____ path that allows for a return without extra fuel.
17. Although it was cold inside the capsule, the astronauts worked together to make it a comfortable _____.
18. They also fixed minor problems, including a _____ that briefly malfunctioned.

Answer

Multiple Choice: 1. To test the capsule 2. Christina Koch and Victor Glover 3. 219,000 kilometers 4. 2028
5. Free-return path 6. Earth

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

Gap-Fill: 13. 219,000 14. 2028 15. land 16. free-return 17. home 18. toilet

Vocabulary quizzes



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

1. What is the primary vehicle used for travel beyond Earth's atmosphere?
Option: Airplane
Option: Rocket
Option: Helicopter
Option: Spacecraft

2. Which type of spacecraft is designed to carry astronauts and return them safely to Earth?
Option: Satellite
Option: Orbiter
Option: Capsule
Option: Probe

3. What force keeps planets in orbit around the sun?
Option: Electromagnetism
Option: Nuclear Force
Option: Gravity
Option: Friction

4. What term describes a failure in a system or machinery that prevents it from operating correctly?
Option: Operational
Option: Malfunctioned
Option: Repaired
Option: Functional

5. What type of video game mode allows multiple players to interact within the same game environment?
Option: Single player
Option: Co-op
Option: Multiplayer
Option: Solo

6. Which component of a computer network provides services to other computers?
Option: Client
Option: Router
Option: Server
Option: Switch

7. What term is used to describe a state in which a computer or device is not connected to the internet?
Option: Online
Option: Sync
Option: Offline



Option: Connected

8. What term refers to a person with whom one engages in a business relationship or activity?

Option: Ally

Option: Partner

Option: Rival

Option: Stranger

9. What term describes a group of people living in the same place or having a particular characteristic in common?

Option: Society

Option: Network

Option: Community

Option: Collective

10. What is a series of coordinated activities aimed at achieving a specific goal often in a political context called?

Option: Dilemma

Option: Campaign

Option: Project

Option: Event

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

11. A _____ is a rapidly rotating storm system characterized by a center of low pressure.

12. The _____ view of the landscape highlighted the intricate network of rivers.

13. The new video game focused on aerial _____ between various fighter aircraft.

14. She enjoyed making her own paper _____ for various art projects.

15. To help the environment, it is important to _____ materials like paper and plastic.

16. The software update was designed to fix known _____ in the application.

17. It's important to _____ the hard work that team members contribute to a project.

18. Species have _____ over millions of years to adapt to their surroundings.

19. The research team used a comprehensive _____ to gather and analyze their data.



20. There is a significant _____ in temperature between day and night in the desert.

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

21. The study of genetic traits helps scientists understand inheritance patterns.
22. The artist skillfully captured the contours of the landscape on canvas.
23. The spacecraft relied on advanced propulsion systems to navigate through space.
24. The power plant utilized a nuclear reactor to generate electricity for the city.
25. Improving energy efficiency can lead to significant cost savings for businesses.
26. Electricity is a form of energy that powers many devices in our daily lives.
27. Nuclear energy is produced through reactions in atomic nuclei.
28. Various types of spacecraft are used for exploration, research, and satellite deployment.
29. The space capsule successfully re-entered the Earth's atmosphere and landed safely.
30. Gravity is the force that attracts objects with mass toward one another.

Answer

Multiple Choice: 1. Spacecraft 2. Capsule 3. Gravity 4. Malfunctioned 5. Multiplayer 6. Server 7. Offline 8. Partner 9. Community 10. Campaign

Gap-Fill: 11. hurricane 12. aerial 13. combat 14. craft 15. recycle 16. bugs 17. recognise 18. evolved 19. database 20. variation

Matching sentence: 1. genetic 2. contours 3. propulsion 4. reactor 5. efficiency 6. electricity 7. nuclear 8. spacecraft 9. capsule 10. gravity

CATEGORY

- 1. Sci/Tech - LEVEL2

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- 1. Artemis II
- 2. Earth photos
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5. Level 2
6. Moon

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