

G7 Space Ambitions: July 2026 Missions, Lunar Goals, and Satellite Regulation

Space Exploration · Answer Key · 27 Questions

1. Which G7 nation is scheduled to conduct a significant test flight of its H3 rocket in July 2026, aiming to restore confidence in its launch capabilities after a previous failure?

- A) United States
- B) Canada
- C) Japan**
- D) Germany

2. In July 2026, which European Space Agency (ESA) mission is slated to perform a flyby of Jupiter's moon Europa?

- A) Hera
- B) BepiColombo
- C) JUICE**
- D) Solar Orbiter

3. What critical event involving Canadian astronauts is anticipated in July 2026 as part of ongoing preparations for future deep-space missions?

- A) The first Canadian spacewalk outside the ISS
- B) A new Announcement of Opportunity (AO) for health and life sciences research on the ISS with a July 24th deadline**
- C) The launch of Canada's first lunar rover
- D) The retirement of the Canadarm2

4. The Science 7 (S7), comprising the national science academies of G7 nations, met in May 2026 to discuss satellite constellations. What is a primary concern raised by these academies regarding large satellite constellations?

- A) Their potential to facilitate faster interplanetary travel
- B) Their negative impact on astronomical observations and the space environment**
- C) Their role in improving global internet connectivity
- D) Their contribution to advancements in weather forecasting

5. In July 2026, ESA plans to launch its first stand-alone deep space CubeSat. What is the name of this space weather mission?

- A) HENON**
- B) PLATO
- C) ARIEL
- D) JUICE

6. Which G7 nation's defense ministry announced in May 2026 the development of a European Space Component Command and a multilateral space training academy?

- A) United Kingdom
- B) Italy
- C) France
- D) Germany**

7. The Artemis II mission, a key step in returning humans to the Moon, launched in April 2026. Which G7 nation's astronaut is part of the four-person crew for this mission?

- A) Germany
- B) Italy
- C) Canada**
- D) France

8. In July 2026, what significant event is ESA's Hera spacecraft expected to achieve concerning planetary defense?

- A) Entering orbit around Mercury
- B) Arriving at the double asteroid Didymos**
- C) Performing a gravity assist maneuver at Mars
- D) Concluding its mission with a de-orbit burn

9. Which G7 nation is actively developing a new satellite network as part of a EUR35 billion military space program aimed at strengthening satellite security and communications, with plans to invest heavily in cyber security, upgraded radars, and new satellite constellations?

- A) Japan
- B) United Kingdom
- C) Canada
- D) Germany**

10. The Artemis III mission, planned for Earth orbit in 2027, will test rendezvous and docking capabilities. Which G7 nation's astronaut, Luca Parmitano, is part of the Artemis III crew, making it his third spaceflight?

- A) United States
- B) Italy**
- C) France
- D) Canada

11. In July 2026, the EE12 User Consultation Meeting will take place. What is the primary purpose of this European Space Agency (ESA) event?

- A) To select ESA's twelfth Earth Explorer mission**
- B) To discuss the future of the Ariane 6 rocket
- C) To plan the next human mission to the Moon
- D) To review the results of the JUICE mission

12. Which G7 nation's space agency (JAXA) concluded a modification to its agreement with the Vietnam National Space Center on satellite data exchange in May 2026?

- A) Canada
- B) Germany
- C) Japan**
- D) United Kingdom

13. The UK Space Agency announced in September 2025 that a program focused on active debris removal, expected to launch in 2026, will utilize technology to grab tumbling debris. What is the name of this mission's spacecraft?

- A) ELSA-M
- B) COSMIC**
- C) ADRAS-J
- D) RemoveDEBRIS

14. In May 2026, aviation representatives from DLR (Germany), ONERA (France), and JAXA (Japan) met for trilateral and bilateral meetings. What was a key focus of these discussions?

- A) Joint development of a new lunar lander
- B) Promoting research collaboration in aeronautics**
- C) Planning a joint mission to Mars
- D) Establishing a unified European space launch system

15. France will hold the G7 presidency in 2026. Which French astronaut is slated to fly on the PAM-6 commercial mission to the ISS in the summer of 2027, commanded by Thomas Pesquet?

- A) Arnaud Prost**
- B) Sophie Adenot
- C) Claudie Haigneré
- D) None of the above

16. The Italian Space Agency (ASI) is a key contributor to NASA's Artemis program. What significant role does Italy play in the Orion spacecraft's development for this program?

- A) Providing the primary propulsion system
- B) Developing the European Service Module**
- C) Designing the crew habitat module
- D) Building the launch vehicle

17. In July 2026, the FIA2026 event will bring together aerospace and defence operators. Which of the following is a stated characteristic of this event?

- A) It is a public event focused on space tourism
- B) The final day is open to the public as 'Pioneers of Tomorrow'**
- C) It exclusively features military aerospace technology
- D) It is focused solely on satellite manufacturing

18. Which G7 nation's space agency is planning to support four new ISS human health research projects and one protocol in 2026-27, with an application deadline of July 24, 2026, for research aboard the International Space Station?

- A) United Kingdom
- B) United States
- C) Canada**
- D) Japan

19. In May 2026, Germany's defense minister announced plans for a European military space command. Which of the following countries was *not* mentioned as a close partner in this initiative?

- A) Austria
- B) Switzerland
- C) Luxembourg
- D) Italy**

20. The Canadian Space Agency (CSA) announced in March 2026 an Announcement of Opportunity for health and life sciences research on the ISS, with proposals due by July 24, 2026. What is a key area of interest for this research?

- A) Developing new propulsion systems for deep space
- B) Studying physiological adaptations to hypogravity and associated health risks**
- C) Designing advanced Martian habitats
- D) Improving asteroid mining techniques

21. Which G7 nation's space academy, along with others, called for greater regulation of satellite constellations and the creation of an international governing body in May 2026?

- A) Italy
- B) Canada
- C) United Kingdom
- D) France**

22. In June 2026, JAXA successfully launched its H3 rocket. This flight was a test of the rocket's simplest, low-cost configuration, which operates without what?

- A) Solid rocket boosters**
- B) Liquid propellant engines
- C) Guidance systems
- D) Payload fairing

23. In May 2026, an agreement was announced for two French astronauts to fly space missions with a U.S. firm developing a commercial space station. What is the name of this U.S. firm?

- A) SpaceX
- B) Blue Origin
- C) Vast**
- D) Sierra Space

24. Which G7 nation's space agency has committed C\$2.05 billion over 24 years to develop the next generation Canadarm 3, marking Canada's largest single financial commitment to a project?

- A) Japan
- B) United Kingdom
- C) Canada**
- D) Germany

25. In July 2026, ESA's Jupiter Icy Moons Explorer (JUICE) is expected to perform a flyby of which Jovian moon?

- A) Io
- B) Ganymede
- C) Europa**
- D) Callisto

26. Germany's defense investment of EUR35 billion in its military space program includes plans for a national satellite network. Which major defense players are partnering with Germany on this network?

A) Airbus and MBDA

B) Raytheon and Lockheed Martin

C) Thales and Safran

D) BAE Systems and Rolls-Royce

27. In January 2026, the Italian Space Agency (ASI) planned the first parabolic flight testing for a new smart biosuit for astronauts. What is the primary purpose of this biosuit?

A) To enhance communication capabilities in space

B) To act as a countermeasure to the negative effects of microgravity on the musculoskeletal system

C) To provide advanced life support for lunar missions

D) To facilitate in-space manufacturing of pharmaceuticals