

Africa's Leap into Space: Unveiling Major Milestones in Lunar Missions, Satellites, and Space Exploration

Space Exploration · Answer Key · 15 Questions

1. What is the primary objective of the Africa2Moon project?

- A) To establish the first African-led mission to Mars.
- B) To deploy a low-frequency radio telescope on the Moon.**
- C) To develop a constellation of Earth observation satellites for climate monitoring.
- D) To train African astronauts for deep space missions.

2. Which African country has the most satellites in orbit as of early 2025?

- A) Egypt
- B) Nigeria
- C) South Africa**
- D) Kenya

3. The Pan-African Citizen Science e-Lab (PACS e-Lab) is a major partner for which international astronomical collaboration focused on asteroid discovery?

- A) The Kepler Mission
- B) The International Astronomical Search Collaboration (IASC)**
- C) The James Webb Space Telescope Program
- D) The Asteroid Watch Program

4. Which African nation is developing a Modular Satellite Assembly, Integration, and Testing (MAIT) facility to support end-to-end satellite development?

- A) Ghana
- B) Algeria
- C) Egypt
- D) Nigeria**

5. The Africa2Moon project plans to eventually deploy how many antennas on the far side of the Moon, each representing an African nation?

- A) 27
- B) 54**
- C) 63
- D) 120

6. Which African country's Hartebeesthoek Ground Station provided critical tracking and telemetry support for NASA's Artemis II mission?

- A) Kenya
- B) Nigeria
- C) South Africa**
- D) Egypt

7. The African Space Agency (AfSA) was officially inaugurated in which city in April 2025?

- A) Nairobi, Kenya
- B) Pretoria, South Africa
- C) Cairo, Egypt**
- D) Abuja, Nigeria

8. What is the projected number of additional satellites African nations aim to have in development or launched by 2030?

- A) Over 60
- B) Over 90
- C) Over 120**
- D) Over 150

9. Which multilateral climate monitoring project involves Egypt, Ghana, Kenya, Nigeria, Sudan, and Uganda, with a potential launch in 2026?

- A) AfDevSat**
- B) SPINX
- C) Taifa-1
- D) BotSat-1

10. The Africa2Moon project's technology demonstrator, consisting of four antennas, is selected as a payload for which upcoming lunar mission?

- A) NASA's Artemis III
- B) China's Chang'e-8**
- C) India's Chandrayaan-4
- D) ESA's JUICE mission

11. Which East African countries have agreed to jointly fund a feasibility study for the Northern Corridor Regional Communication and Broadcasting Satellite Initiative (NCRCBSI)?

- A) Ethiopia, Tanzania, Burundi, Rwanda
- B) Kenya, Rwanda, South Sudan, Uganda**
- C) Somalia, Djibouti, Eritrea, Kenya
- D) Uganda, Rwanda, Burundi, Kenya

12. Nigeria's National Space Research and Development Agency (NASRDA) has partnered with SERA for which significant future space endeavor?

- A) Developing a lunar rover
- B) The first Nigerian human space flight**
- C) Establishing an asteroid defense system
- D) Launching a deep space telescope

13. The Luigi Broglio Space Centre, a collaboration between Kenya and Italy, is located in which Kenyan town?

- A) Nairobi
- B) Mombasa
- C) Malindi**
- D) Kisumu

14. South Africa's National Space Agency (SANSA) has a partnership with NASA to support the Artemis program, focusing on lunar exploration and beyond. What specific type of facility is being developed in Matjiesfontein, South Africa, as part of this partnership?

- A) An astronaut training center
- B) A lunar sample analysis laboratory
- C) A Lunar Exploration Ground Sites (LEGS) communications antenna**
- D) A deep-space propulsion research facility

15. The establishment of the African Space Agency (AfSA) aims to coordinate and implement Africa's space ambitions, focusing on areas such as Earth observation, satellite development, and space science to support what overarching goal?

- A) Military defense and security
- B) Space tourism for the continent
- C) Socio-economic development across the continent**
- D) Interstellar communication research