

Africa's Cosmic Ascent: Viral Moments, Artemis Accords, and Future Frontiers

Space Exploration Africa · Practice Test · 12 Questions

1. Which African nation's flag was recently featured prominently in viral social media images alongside a NASA astronaut aboard the International Space Station, sparking pride and conversations about Africa's role in space?

- A) Nigeria
- B) Ghana
- C) South Africa
- D) Egypt

2. As of recent developments, which African countries have become signatories to the U.S.-led Artemis Accords, signaling their commitment to peaceful lunar exploration and cooperation?

- A) Kenya, Ethiopia, and Somalia
- B) Rwanda, Nigeria, Angola, and Senegal
- C) Morocco, Algeria, and Tunisia
- D) Egypt, South Africa, and Ghana

3. The African Space Agency (AfSA) was officially inaugurated in which city, marking a significant step towards coordinating the continent's space ambitions?

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

4. South Africa is planning a unique lunar mission involving the deployment of a radio telescope on the Moon. What is the primary objective of this initiative?

- A) To search for extraterrestrial life
- B) To study areas inaccessible to Earth-based radio telescopes
- C) To establish a lunar communication network
- D) To mine lunar resources

5. Which African country has successfully launched its domestically developed nano-class scientific satellite, SPNeX, for ionospheric measurements?

- A) Nigeria
- B) Ghana
- C) Kenya
- D) Egypt

6. The Space Exploration Research Agency (SERA), a U.S. entity, has partnered with Nigeria for a significant space mission. What is the primary goal of this collaboration?

- A) To launch Nigeria's first communication satellite
- B) To send the first Nigerian civilian to space
- C) To establish a lunar base
- D) To develop indigenous rocket technology

7. Beyond the Artemis Accords, several African nations, including South Africa and Egypt, have aligned with a rival initiative for lunar research led by which two countries?

- A) United States and European Union
- B) Japan and South Korea
- C) China and Russia
- D) India and Brazil

8. South Africa's National Space Agency (SANSA) has plans to send the first female astronaut from Africa into space, with assistance from which country's space corporation?

- A) United States (NASA)
- B) China (CNSA)
- C) Russia (Roscosmos)
- D) European Union (ESA)

9. Which African nation launched its first satellite, Gaindesat-1A, in August 2024, and has also joined both the U.S.-led Artemis Accords and China's International Lunar Research Station initiative?

- A) Nigeria
- B) Senegal
- C) Morocco
- D) Rwanda

10. The African Space Tech Challenge, aimed at developing downstream applications of space technology, has seen notable participation from startups in which country, with winners focusing on areas like agriculture and geospatial data science?

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

11. Egypt's SPNeX satellite, domestically assembled and integrated, is designed to collect data on which scientific area, crucial for understanding space weather and climate modeling?

- A) Extragalactic astronomy
- B) The ionosphere
- C) Dark matter distribution
- D) Solar flare prediction

12. The African continent's space economy is projected to reach a significant valuation by 2026. What is this projected market value?

- A) USD 10.5 billion
- B) USD 15.2 billion
- C) USD 22.64 billion
- D) USD 30.1 billion