

AI, Climate, and Ancient Secrets: Top Sub-Saharan African Science Discoveries

Science & Tech · Practice Test · 10 Questions

1. Which African country is at the forefront of developing localized AI models for languages like Swahili, Yoruba, and Hausa, aiming to bridge the digital divide?

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

2. South Africa's MeerKAT telescope recently detected a record-breaking cosmic signal. What type of celestial phenomenon was observed?

- A) A distant gigamaser
- B) A pulsar's magnetic field
- C) A black hole's accretion disk
- D) A new type of nebula

3. Recent archaeological research in the Atbai Desert of Eastern Sudan has revealed hundreds of previously unknown ancient structures. What type of burial monument was most commonly found?

- A) Pyramids
- B) Circular mass graves (enclosure burials)
- C) Sarcophagi
- D) Cairns

4. Conservationists are using innovative methods to protect wildlife. In Kenya, what natural deterrent are farmers using to keep elephants away from crops, which also provides a source of income?

- A) Loud noises
- B) Electric fences
- C) Beehives
- D) Scarecrows

5. Researchers have discovered evidence suggesting the Earth's crust beneath Zambia may be splitting, potentially marking the birth of a new tectonic plate boundary. This geological feature is part of which larger rift system?

- A) The East African Rift System
- B) The Mid-Atlantic Ridge
- C) The Kafue Rift
- D) The San Andreas Fault

6. Which technology is being increasingly integrated into Sub-Saharan Africa's agriculture to optimize crop production, monitor soil health, and manage resources more efficiently?

- A) Robotics
- B) Artificial Intelligence (AI)
- C) 3D Printing
- D) Virtual Reality (VR)

7. A significant discovery in Sudan's Bayuda Desert involved the unearthing of a solitary grave of a ruler from which ancient kingdom?

- A) The Kingdom of Kush
- B) The Kingdom of Aksum
- C) The Kingdom of Ghana
- D) The Kingdom of Kerma

8. Rwanda's conservation success is globally recognized, particularly for its mountain gorilla populations. What annual cultural event celebrates and raises awareness for gorilla conservation?

- A) Umuganda
- B) Kwita Izina
- C) Intore Dance Festival
- D) Gishwati Forest Festival

9. In response to climate change impacts, communities across Sub-Saharan Africa are increasingly deploying 'nature-based solutions.' Which of these is NOT typically considered a nature-based solution for climate resilience?

- A) Restoring forests
- B) Protecting wetlands
- C) Building sea walls
- D) Restoring coral reefs

10. AI is being used to extend healthcare access in Sub-Saharan Africa, where there's a shortage of healthcare professionals. Which of these is NOT a primary application of AI in African healthcare systems, according to recent reports?

- A) Assisting with diagnostics
- B) Analyzing radiology scans
- C) Developing advanced surgical robots for remote operations
- D) Predicting disease outbreaks