

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

Science & Tech · Answer Key · 10 Questions

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**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