

# Africa's Shifting Continents, Light Discoveries, and Health Innovations This W

Sub-Saharan Africa Science · Practice Test · 6 Questions

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**1. Scientists have discovered a new way to control light without mirrors or special lenses. This breakthrough, involving researchers from the University of Witwatersrand, could impact which of the following fields?**

- A) Quantum computing, data transmission, and medical testing
- B) Agriculture and renewable energy
- C) Astronomy and space exploration
- D) Art history and archaeology

**2. Geologists are studying evidence suggesting a new tectonic plate boundary may be forming in Sub-Saharan Africa. Which region in Zambia is showing signs of this geological activity?**

- A) Kafue Rift
- B) East African Rift
- C) Victoria Falls
- D) Serengeti Plains

**3. A recent summit in Nairobi highlighted the need for greater African involvement in global health research. Which two fast-growing fields were emphasized for African-led innovation?**

- A) Genomics and women's health research
- B) Cardiology and neurology
- C) Oncology and immunology
- D) Pediatrics and geriatrics

**4. Researchers are investigating an ancient underground formation beneath Africa that appears to be releasing very old material. This discovery is related to what geological process?**

- A) Tectonic plate movement
- B) Volcanic activity
- C) Seismic wave propagation
- D) Glacial erosion

**5. A study examining clinical trials found that a very small percentage are conducted exclusively in Africa. What is the approximate percentage of clinical trials conducted solely in Africa?**

- A) 3.9%
- B) 15%
- C) 30%
- D) 50%

**6. Scientists at Stellenbosch University have achieved a record in establishing the longest secure communication link using what technology?**

- A) Quantum satellite communications
- B) 5G mobile networks
- C) Fiber optic cables
- D) Satellite radio transmission