

UK's Latest Science Buzz: AI, Space Secrets, and Climate Innovations

Science · Answer Key · 10 Questions

1. Which UK university is leading an AI awareness campaign designed to address public fears and questions about the technology?

- A) University of Manchester
- B) University of Oxford
- C) University of Sheffield**
- D) University of Edinburgh

2. What innovative method are UK scientists at the University of Manchester experimenting with to combat climate change?

- A) Capturing carbon from industrial emissions
- B) Firing saltwater mist into the sky to brighten clouds**
- C) Developing drought-resistant crops
- D) Building massive offshore wind farms

3. The UK Biobank has unveiled new data from whole genome sequencing of its participants. What is this data set intended to help advance?

- A) Understanding ancient human migration patterns
- B) Developing new diagnostics, treatments, and cures for diseases**
- C) Mapping the human brain's neural pathways
- D) Studying the effects of deep-sea pressure on marine life

4. UK scientists are launching microscopic worms to the International Space Station as part of an experiment. What is the primary goal of this mission?

- A) To study the effects of microgravity on plant growth
- B) To test new methods for asteroid mining
- C) To understand the effects of long-duration space travel on biological organisms**
- D) To observe the impact of solar flares on living cells

5. What is the name of the UK-developed software system that filters astronomical alerts from the Vera C. Rubin Observatory to help astronomers observe changes in the night sky?

- A) SkyWatcher
- B) CosmosFilter
- C) Lasair**
- D) StellarScan

6. A new discovery by UK scientists has identified a completely new class of exoplanet. What is a notable characteristic of this type of planet?

- A) It is covered entirely in ice
- B) It has a thick atmosphere of hydrogen
- C) It is a molten, sulphur-rich world**
- D) It possesses multiple rings like Saturn

7. Which UK initiative, announced in 2020, aims to make the UK the most advanced genomic healthcare system in the world?

- A) Genome UK: The Future of Healthcare**
- B) The UK Genomics Strategy
- C) Accelerating Genomics in the NHS
- D) Genomic Medicine Service (GMS)

8. Researchers in the UK have discovered the oldest known prehistoric art in Britain. Where was this art found?

- A) Stonehenge
- B) A cave at Creswell Crags in Derbyshire**
- C) Hadrian's Wall
- D) The Tower of London

9. What groundbreaking technology, developed by scientists at Newcastle University, has the potential to revolutionize drug discovery for diseases like cancer and arthritis?

- A) A new gene-editing tool
- B) A 3D bio-printer that produces human-like tissue**
- C) An AI-powered diagnostic system
- D) A rapid vaccine development platform

10. What is the primary focus of the new UK-French scientific collaboration aimed at tackling women's health issues and emerging viruses?

- A) Developing new cosmetic treatments
- B) Studying endometriosis and using AI for disease research**
- C) Creating advanced prosthetics
- D) Investigating the effects of space travel on female physiology