

Asia's Cutting-Edge Discoveries: From Ancient Rituals to AI Breakthroughs &

Asian Science · Answer Key · 10 Questions

1. In 2025, archaeological research at Manot Cave in Galilee, Israel, unveiled evidence of ritualistic gatherings dating back 35,000 years. What significant distinction does this discovery hold for the Asian continent?

- A) It represents the earliest evidence of complex tool-making in Asia.
- B) It is the earliest discovery of deep-cave rituals on the Asian continent.**
- C) It is the first evidence of Neanderthal-Homo sapiens interaction in Asia.
- D) It provides the earliest proof of settled agriculture in Southwest Asia.

2. Which Asian country is reported to be leading the Nature Index 2024 for scientific contributions worldwide, and also driving global discovery in AI patent numbers over the last decade?

- A) Japan
- B) South Korea
- C) China**
- D) India

3. In the field of biotechnology, Asia, led by China, has significantly expanded its share of the global innovative pipeline. By what percentage did Asia increase its share between approximately 2019 and 2024?

- A) From 28% to 43%**
- B) From 15% to 30%
- C) From 40% to 60%
- D) From 10% to 25%

4. Which Chinese AI startup released the open-source large model DeepSeek-R1 in early 2025, demonstrating top-tier performance with optimized algorithms and engineering innovation?

- A) Baidu
- B) Tencent
- C) Alibaba
- D) DeepSeek**

5. In 2024, China announced its top 10 archaeological discoveries. Which of these discoveries included a Paleolithic settlement dating back 60,000 to 80,000 years, offering evidence for the origins of Homo sapiens in East Asia?

- A) The Xiatang Site
- B) The Dadong Site
- C) The Wuwangdun mausoleum

D) The Mengxihe Site

6. An international collaboration led by Chinese researchers has detected a 'super-Earth' named Kepler-725c. What is the approximate mass of this exoplanet compared to Earth?

- A) Approximately 2 times the mass of Earth
- B) Approximately 5 times the mass of Earth

C) Approximately 10 times the mass of Earth

- D) Approximately 15 times the mass of Earth

7. Which nation's researchers created China's first two-dimensional metals, a breakthrough that was recognized by Physics World as one of the 'Top 10 Breakthroughs for 2025'?

- A) South Korea
- B) Japan
- C) India

D) China

8. In 2025, China's EAST (Experimental Advanced Superconducting Tokamak) device achieved a world record by maintaining a plasma at 100 million degrees Celsius for over 1,000 seconds. What field of research does this breakthrough significantly advance?

- A) Quantum Computing

B) Fusion Energy

- C) Artificial Intelligence
- D) Materials Science

9. A new study by researchers in Korea revealed that rising pollution levels in Southeast Asia are causing a significant shift in rainfall patterns. What is the primary effect observed regarding rainfall over the ocean?

- A) It decreases significantly.

B) It intensifies.

- C) It remains unchanged.
- D) It shifts to a more consistent, lighter drizzle.

10. China has risen to the world's second place in new drug development. Approximately what proportion of the global total of domestic drugs under research originates from China?

A) Over a tenth

B) Over a fifth

C) Over a third

D) Over half