

EU's 2024-2026 Breakthroughs: Quantum Computing, AI Ethics, and Space Ex

Science & Technology · Practice Test · 10 Questions

1. What was a notable milestone among the 114 new medicines recommended for human use by the European Medicines Agency (EMA) in 2024?

- A) The first universal flu vaccine approved.
- B) The first drug proven to slow Alzheimer's disease progression.
- C) A novel treatment for multi-drug resistant tuberculosis.
- D) The first vaccine to prevent all common cold viruses.

2. In July 2025, the European Commission unveiled a strategy aiming to make Europe a 'quantum industrial powerhouse' by which year?

- A) 2035
- B) 2040
- C) 2030
- D) 2028

3. According to the European Electricity Review, what percentage of EU power was generated by wind and solar combined in 2025, surpassing fossil fuels?

- A) 25%
- B) 30%
- C) 35%
- D) 40%

4. Which European Space Agency (ESA) mission imaged the Sun's South Pole for the first time ever in 2025?

- A) BepiColombo
- B) Solar Orbiter
- C) JUICE
- D) Euclid

5. Regulation (EU) 2024/1689, commonly known as the AI Act, categorizes AI systems used in which specific setting as 'high risk' requiring increased scrutiny?

- A) Personal entertainment applications
- B) Financial trading algorithms
- C) Clinical research settings
- D) Agricultural yield prediction systems

6. The EU's 7th National Report on Biodiversity (published February 2026) indicates progress towards how many targets under the Kunming-Montreal Global Biodiversity Framework (KMGBF), with two already achieved?

- A) 23
- B) 30
- C) 45
- D) 50

7. Which EU-funded initiative, concluded by August 2025, granted researchers unprecedented access to cloud-based trapped-ion quantum computers to advance biochemical research and materials science?

- A) EuroQubit Project
- B) Quantum Inspire Platform
- C) QCDC Project
- D) Horizon Quantum Initiative

8. In 2025, the European Medicines Agency (EMA) recommended 38 new active substances for approval. Which therapeutic area saw the most approvals for endocrine disorders, including three new treatments?

- A) Oncology
- B) Immunology
- C) Endocrinology
- D) Cardiovascular diseases

9. What is the proposed budget for the Horizon Europe Framework Programme (2028-2034), put forward by the European Commission on July 16, 2025?

- A) EUR93.5 billion
- B) EUR120 billion
- C) EUR175 billion
- D) EUR250 billion

10. The European Commission launched the 'Resource for AI Science in Europe' (RAISE) virtual institute in November 2025. What is the initial funding allocated for the RAISE pilot under Horizon Europe?

- A) EUR58 million
- B) EUR107 million
- C) EUR600 million
- D) EUR3 billion