

# G7 Nations: Fusion Power, AI Boom, and Critical Minerals Shaping Economies

Scientific Discoveries · Answer Key · 8 Questions

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**1. Which G7 nation is investing billions in its semiconductor industry to bolster innovation and reduce reliance on global supply chains, as part of the European Chips Act?**

- A) United States
- B) Germany**
- C) Canada
- D) Japan

**2. In 2024, the UK saw a significant rebound in investment in dedicated AI companies, reaching what value?**

- A) £1.5 billion
- B) £2.9 billion**
- C) £4.9 billion
- D) £10.6 billion

**3. Canada's strategy for critical minerals, updated in June 2024, prioritizes six minerals for economic growth. Which of the following is NOT among these six?**

- A) Lithium
- B) Graphite
- C) Uranium**
- D) Rare Earth Elements

**4. G7 Leaders, in their June 2024 Communiqué, committed to establishing a working group on which emerging energy technology with the potential to solve global climate challenges?**

- A) Solar Power
- B) Nuclear Fission
- C) Fusion Energy**
- D) Geothermal Energy

**5. The United States has seen rapid growth in clean energy investment, becoming a world-leading market for renewables, battery manufacturing, and electric vehicle sales. What percentage of new power capacity in the U.S. in 2024 was made up of carbon-free sources?**

- A) 50%
- B) 75%
- C) 95%**
- D) 100%

6. In Italy, public investment under the NRRP is supporting the development of quantum technologies. Over the three-year period of 2023-2025, how much has been allocated to this sector?

- A) EUR 14 million
- B) EUR 140 million**
- C) EUR 1.4 billion
- D) EUR 14 billion

7. Japan's Ministry of Agriculture, Forestry and Fisheries reported a significant temperature deviation in 2024, impacting crop yields. What was this deviation?

- A) +0.48°C
- B) +1.48°C**
- C) +2.48°C
- D) +3.48°C

8. Which G7 nation is focusing on reducing chemical fertilizers and pesticides in agriculture, looking to strategies like the EU's Farm to Fork Strategy, with a target of 25% organic farmland by 2050?

- A) Canada
- B) France
- C) Japan**
- D) United Kingdom