

Canada's Tech Landscape: AI, Semiconductors, and Global Economic Ripples

Technology & Economy · Practice Test · 10 Questions

1. Canada has made significant investments to bolster its semiconductor industry.

Which of the following is a key initiative announced in July 2024?

- A) The creation of the FABrIC network
- B) The establishment of a national AI safety institute
- C) A \$2.4 billion investment in AI research
- D) Funding for an EV battery R&D center in Oakville

2. In the context of global economic shifts, what is a major concern for Canada's tech talent acquisition in 2025?

- A) Reduced immigration targets for tech workers and increased global competition
- B) A surplus of highly skilled AI and machine learning engineers
- C) A decrease in the number of IT professionals looking for new jobs
- D) The government's decision to close all tech-related immigration streams

3. How has the global supply chain disruption, notably the chip shortage, impacted Canada's automotive sector?

- A) Vehicle production dropped significantly, with numbers lower than in decades
- B) The automotive sector experienced record growth due to increased demand for chips
- C) Canadian car manufacturers shifted to producing only electric vehicles
- D) The chip shortage had no significant impact on Canadian vehicle production

4. What is a key trend in Canada's cybersecurity landscape for 2025, reflecting global threats?

- A) An increase in ransomware attacks fueled by affiliate programs
- B) A complete elimination of state-sponsored cyber threats
- C) A decline in the success rate of cyberattacks
- D) Reduced focus on cloud environment threats

5. Canada's AI strategy includes substantial government investment. What was a major focus of the AI Compute Access Fund announced in early April 2024?

- A) Enhancing computing infrastructure and providing access to technical resources
- B) Developing new AI-powered consumer applications
- C) Providing direct subsidies to all Canadian citizens for AI software
- D) Funding international AI research collaboration exclusively

6. What is a significant factor contributing to the growth of Canada's renewable energy sector amidst global energy concerns?

- A) Increasing cost competitiveness of renewables and enabling policy frameworks
- B) A global decrease in the demand for clean energy technologies
- C) Canada's decision to increase reliance on fossil fuels
- D) International reluctance to invest in renewable energy projects

7. Which of the following describes a key challenge for Canadian startups in 2025 due to global economic pressures?

- A) Investors prioritizing companies with strong fundamentals and positive unit economics
- B) A shift away from growth-at-all-costs mentality towards steady, predictable returns
- C) Increased availability of venture capital funding for all startup stages
- D) Reduced due diligence periods for fundraising

8. Canada's government has been investing in AI infrastructure. What is a key goal of the Sovereign AI Compute Strategy launched in December 2024?

- A) To secure domestic control over high-performance computing
- B) To transfer all AI research to international data centers
- C) To reduce the overall investment in domestic AI infrastructure
- D) To encourage a complete reliance on foreign AI technology

9. What is a notable trend in Canada's tech ecosystem regarding AI adoption in businesses?

- A) A significant increase in AI adoption, with many firms piloting or deploying AI technologies
- B) A widespread decrease in AI adoption due to high implementation costs
- C) AI adoption primarily limited to large, established corporations
- D) Canadian businesses are actively avoiding AI due to regulatory uncertainty

10. Regarding the global semiconductor industry, what is a strategic advantage Canada is leveraging?

- A) Expertise in R&D, design, photonics, and advanced packaging
- B) Mass fabrication of semiconductor chips
- C) Lower production costs compared to East Asian countries
- D) A complete absence of foreign competition in its domestic market