

North American Tech Landscape: Quantum Leaps, AI Regulations & Semiconductors

Technology News · Practice Test · 15 Questions

1. In May 2026, which two major quantum computing labs released updated roadmaps that placed pressure on cloud providers by detailing specific qubit-count targets for the latter half of the year?

- A) IBM and Google
- B) Microsoft and Intel
- C) PsiQuantum and Rigetti
- D) Amazon and Quantinuum

2. What significant federal incentive program, detailed in May 2026, aims to substantially triple domestic semiconductor manufacturing capacity in the U.S. by 2032?

- A) The CHIPS and Science Act
- B) The National Quantum Initiative Act
- C) The Advanced Manufacturing Partnership
- D) The CREATE Innovation Act

3. As of May 2026, what is the current state of comprehensive federal AI law in the United States?

- A) There is no federal AI law, but there is significant federal activity and state-level regulation.
- B) A comprehensive federal AI law was passed in early 2026, preempting state laws.
- C) Federal AI regulation is limited to voluntary frameworks with no binding legislation.
- D) Congress has passed bipartisan legislation establishing a federal AI regulatory body.

4. Which North American tech event, scheduled for May 26-31, 2026, marked its first time in Boston and featured hundreds of events from companies, founders, and funds?

- A) Tech Week Boston
- B) Silicon Valley May Summit
- C) Gartner Security & Risk Management Summit
- D) HPE Discover Las Vegas

5. In May 2026, what major development occurred in the semiconductor industry concerning AI demand and legacy chip capacity?

- A) AI demand began to squeeze legacy chip capacity, while automotive and passive component markets showed stability.
- B) The demand for legacy chips surged due to AI infrastructure needs, causing shortages.
- C) Foundries shifted focus from AI to automotive chips, stabilizing legacy component supply.
- D) AI demand led to a surplus of legacy chips, causing a price crash.

6. Which major tech acquisition, reported in May 2026 and valued at \$55 billion, was described as the largest video-game acquisition ever?

- A) PIF, Silver Lake, and Affinity Partners' Acquisition of Electronic Arts
- B) Google's acquisition of Wiz
- C) SoftBank's Acquisition of DigitalBridge
- D) Charter Communications' Merger with Cox Communications

7. Regarding AI regulatory developments in the United States as of May 2026, what is a key characteristic of the regulatory landscape?

- A) A patchwork of state laws is rapidly evolving, as federal legislation is still developing.
- B) A single, comprehensive federal AI law governs all AI development and deployment.
- C) Federal agencies are the primary regulators, with minimal state-level activity.
- D) AI regulation is primarily driven by international treaties, with limited U.S. action.

8. In May 2026, what significant development was reported regarding Google and SpaceX's discussions?

- A) Discussions about orbital data centers.
- B) A joint venture to develop a Mars colony.
- C) A partnership for a new satellite internet constellation.
- D) Collaborative research into fusion power.

9. According to May 2026 reports, what percentage of global organizations had experienced a confirmed or suspected AI-related security incident?

- A) Half of global organizations.
- B) Less than 10% of global organizations.
- C) Approximately 75% of global organizations.
- D) Only 25% of global organizations.

10. In May 2026, what was the dominant driver of operational and financial disruption across North America's cybersecurity landscape, accounting for approximately 45% of all recorded incidents?

- A) Ransomware
- B) Distributed Denial of Service (DDoS) attacks
- C) Phishing campaigns
- D) Insider threats

11. What U.S. federal action was introduced in May 2026, aiming to shift the cost of grid upgrades tied to power demand from residential consumers to large-load customers like AI data centers?

- A) The Protecting Families from AI Data Center Energy Costs Act (H.R. 6529)
- B) The Energy Independence and Security Act
- C) The National Grid Modernization Initiative
- D) The AI Infrastructure Security and Affordability Act

12. In May 2026, what key trend was identified as the dominant driver for technology M&A heading into the year, with businesses actively competing for infrastructure to support it?

- A) Artificial Intelligence (AI)
- B) Virtual Reality (VR)
- C) Blockchain Technology
- D) 5G Network Expansion

13. Which company announced in May 2026 a significant collaboration with Multiply Labs to advance the use of robotic systems in cell therapy manufacturing?

- A) CPC Biotech
- B) Janssen Pharmaceuticals
- C) Novartis
- D) Gilead Sciences

14. What significant event in the space sector was expected to occur in June 2026, with SpaceX having confidentially filed its S-1 with the SEC in April 2026?

- A) A Nasdaq IPO aiming to raise up to \$75 billion at a \$1.75 trillion valuation.
- B) The launch of a new mission to establish a permanent moon base.
- C) The unveiling of a revolutionary new propulsion system for deep space travel.
- D) The acquisition of a major aerospace competitor.

15. In May 2026, what was reported as a major development in quantum computing regarding error correction and logical qubit stability, with IBM and Google releasing new roadmaps?

- A) Measurable gains in error-corrected qubits, with clear benchmarks now available.
- B) A significant setback in error correction, leading to increased qubit instability.
- C) The complete abandonment of error correction research in favor of brute-force qubit scaling.
- D) A breakthrough in room-temperature superconductivity for quantum processors.