

Nordic Nations Face Climate Crossroads: Arctic Tipping Points, Green Energy

Environmental Science · Practice Test · 7 Questions

1. What percentage of its electricity production did Denmark source from wind and solar in 2025, a figure that positioned it as Europe's leader in green energy transition?

- A) 55 percent
- B) 62 percent
- C) 71 percent
- D) 80 percent

2. Which critical nutrient, essential for the plankton that support Arctic life, is rapidly declining in the Arctic Ocean due to accelerated sea ice disappearance and a hidden chemical shift, as reported in May 2026?

- A) Phosphate
- B) Nitrate
- C) Silicate
- D) Ammonia

3. By what year has Denmark politically agreed to cease all oil and gas extraction in its part of the North Sea, shifting focus entirely to green, renewable energy?

- A) 2035
- B) 2040
- C) 2045
- D) 2050

4. What is the primary aim of Iceland's Krafla Magma Testbed (KMT) project, slated for 2026, which promises to revolutionize geothermal energy generation?

- A) To develop direct air capture technology to remove CO₂ from geothermal emissions.
- B) To drill into a volcano's magma chamber to tap into super-hot, supercritical water for unprecedented geothermal power.
- C) To construct the world's largest offshore wind farm integrated with geothermal heat pumps.
- D) To implement a nationwide carbon capture and storage (CCS) system for all geothermal power plants.

5. According to new research from June 2026, what concerning impact is climate change having on frozen Arctic lakes, particularly affecting logistical capabilities in the region?

- A) Increased frequency of severe ice storms making transport hazardous.
- B) The ice is becoming too thin to reliably support heavy military and cargo aircraft.
- C) Rapid expansion of invasive aquatic species due to warmer waters.
- D) Accelerated erosion of lake shores due to altered permafrost thaw patterns.

6. Finland is mandated to submit a National Restoration Plan by September 2026 as part of the EU's Nature Restoration Regulation. Which of the following is a key focus area for this plan?

- A) Enhancing the efficiency of industrial waste treatment processes.
- B) Increasing forest biodiversity and forest connectivity.
- C) Developing new sustainable tourism initiatives in protected areas.
- D) Transitioning all agricultural land to organic farming by 2030.

7. In May 2026, Norway's government faced criticism for a decision regarding its fossil fuel industry. What was this contentious decision?

- A) Implementing a progressive carbon tax on all oil and gas exports.
- B) Announcing a complete phase-out of offshore drilling by 2040.
- C) Approving the reopening of three North Sea gas fields and new exploration in 70 locations.
- D) Joining the Beyond Oil and Gas Alliance (BOGA).