

Groundbreaking Canadian Discoveries: White Hydrogen, Cancer Trial, & Indig

Canadian Science · Answer Key · 3 Questions

1. What major clean energy source did scientists from the University of Toronto and the University of Ottawa recently discover naturally accumulating beneath the Canadian Shield?

- A) Black shale gas
- B) Underground geothermal reservoirs
- C) Naturally occurring "white" hydrogen gas**
- D) Deep-earth methane hydrates

2. A new clinical trial in London, Ontario, is exploring what innovative method to improve immunotherapy for lung cancer patients, described as the largest Canadian trial of its kind?

- A) Targeted gene therapy injections
- B) High-intensity focused ultrasound
- C) Fecal microbiota transplantation (FMT), often called "poop pills"**
- D) Cryoablation of tumors

3. The Canadian government recently committed significant funding to Indigenous-led and co-led research projects focusing on understanding the social, cultural, and economic impacts of what environmental issue on Indigenous communities?

- A) Arctic ice melt and sea-level rise
- B) The effects of plastic pollution**
- C) Resource extraction and land degradation
- D) Impacts of wildfire smoke on health