

CWSF 2013 - Lethbridge, Alberta



Christian Besoiu

Hydrogen Production by Water Electrolysis

Challenge: Energy

Category: Intermediate

Region: Calgary Youth

City: Calgary, AB

School: Calgary Science School

Abstract: By utilizing the potential of the fuel cell, hydrogen, when oxidized, can release large amounts of energy. The key to this future is to figure out how to produce hydrogen cheaply, efficiently and in large quantities. My project shows the connections between volume of hydrogen produced and the type of electrolytes, voltages, and current intensities along with various filtration methods.

Biography

My name is Christian Besoiu and I am grade 9 student at the Calgary Science School. In my school, we do a lot of inquiry-based learning, which sparks student's curiosity in different subject areas. I am interested in energy solutions for our future, which is what inspired me to do a science fair project on hydrogen production. Last year I participated in the Canada Wide Science Fair in PEI. This is my second time creating a science fair project and I plan on doing many more in the future. I like to play a variety of sports. I am bronze star swimmer, an experienced skier and now I am playing volleyball at the Volleymen Club in Calgary. In the future I do want to pursue a career in science, but as of now I do not know what field.

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