

## CWSF 2011 - Toronto, Ontario



### Chris Lavery

#### Super Aqua Splitter

**Challenge:** Energy

**Category:** Intermediate

**Region:** East Kootenay

**City:** Cranbrook, BC

**School:** Laurie Jr Secondary

**Abstract:** My project has 2 parts to it. I first tested 3 metal electrodes (copper/aluminum/steel) each with 3 different surface areas to see how fast hydrogen could be produced through Electrolysis. In part 2 of the project I designed and built an efficient and effective Electrolyzer that continued to produce hydrogen. A steady production of hydrogen can be used to fuel an engine, diminishing global warming.

#### Biography

My name is Chris Lavery. I enjoy playing my guitar, umpiring Calripken baseball games, playing video games and playing with my dog Shadow. I also like swimming, skiing, fishing, riding my bike and going camping. I live in Cranbrook, B.C. and I am in grade 9 at Laurie Middle School. In my future I would like to be an Astronaut.