

# CWSF 2007 - Truro, Nova Scotia



## Anne Theilmann, Clara Salter

### Survival of the Batteries: Effect of Extreme Temperature on Alkaline Batteries

**Division:** International / None

**Category:** Junior

**Region:** Central Okanagan

**City:** Summerland, BC

**School:** Summerland Middle School

**Abstract:** Three brands of batteries were tested at temperatures ranging from -150°C to 50°C to see if they would work. Alkaline batteries functioned very poorly or not at all at extreme cold temperatures (-150°C/-80°C), but worked better than normal at high temperatures (e.g. 50°C). There was a difference in the three brands tested, with Energizer being the most robust at all temperatures.

#### Biographies

Anne - Hello my name is Anne Theilmann and I am in grade 7 French Immersion at Summerland Middle School in Summerland, British Columbia, where I live with my parents and older brother. I have gone to 2 other schools, one which was an all French school. I love to play school sports like volleyball, basketball, field hockey and track and field. I am on the Penticton district soccer team which is really fun and you get to meet a lot of new girls. I enjoy most sports and always try to do better at them. I also figure skate almost all year round and I am helping teach younger kids to skate, and to cross country ski in the winter. In my spare time, which ...

Clara - I am in a grade seven, French immersion class at Summerland Middle School in British Columbia. I live with my parents, two older sisters and dog. When I'm not at school I spend my time playing violin, playing soccer and other sports, reading lots and lots of books, baking, mowing the lawn, watching CSI, listening to music, and writing poetry. I have recently won an award for my poems in a local writing contest. This year I was chosen by my teammates as the captain of our soccer team. In the summer I love to spend as much time as possible at Pioneer Pacific camp on Thetis island where we tube, waterski, wakeboard, sail, kayak, canoe, swim, sin...

#### Awards

#### Value

Honourable Mention - Physical & Mathematical Sciences - Junior	\$100
Sponsor: Encana Corporation	
Total	\$100

