

CWSF 2006 - Saguenay, Québec



Matthew Chi

Safe Drinking Water at High Altitudes

Division: Life Sciences

Category: Junior

Region: North Channel

City: Elliot Lake, ON

School: Our Lady of Lourdes French Immersion

Abstract: Safe drinking water at high altitudes is important. The temperature that water boils on Mount Everest was calculated to be 70°C. This was based on calculating the boiling point of water as a relationship to the barometric pressure. The barometric pressure was calculated based on the known altitude of Mount Everest. Water heated to 70°C for 6½ minutes, effectively killed all fecal bacterial organisms.

Awards	Value
Honourable Mention - Health Sciences - Junior Sponsor: Canadian Institutes of Health Research	\$100
Total	\$100