

## CWSF 2006 - Saguenay, Québec



### Alice Jourmel

#### Gas Identification Using a Resonance Tube

**Division:** International

**Category:** Intermediate

**Region:** Vancouver Island

**City:** Duncan, BC

**School:** Frances Kelsey Secondary

**Abstract:** This project used a resonance tube designed and built by the student to create and identify resonance frequencies in three gases, the purpose of which was to determine the molecular masses of the gases as a means of identification. The gases used were balloon helium, welding oxygen and carbon dioxide.

Awards	Value
CAP Physics Prize - Intermediate	\$250
Sponsor: Canadian Association of Physicists	
Total	\$250