

CWSF 2005 - Vancouver, British Columbia



Carly Proudfoot, Fern Leavens

Fluoride: Friend or Foe

Division: Health Sciences

Category: Intermediate

Region: East Kootenay

City: Grasmere, BC, Jaffray, BC

School: Jaffray Elementary Junior Secondary School

Abstract: The effects of fluoride on the body were investigated. Topically applied fluoride of varying concentrations on eggshells and bovine teeth showed discoloration, weakness, and minimal differences between fluoridated and controlled variables in acid application. This indicates little fluoride protection. When tested on *Daphnia magna*, fluoride produced an LC50 of 0.0035%.