

CWSF 2007 - Truro, Nova Scotia



Jennifer Dorr

CO₂ at the Drive-Through

Division: Engineering & Computing Sciences / Automotive

Category: Senior

Region: Regina

City: Regina, SK

School: Thom Collegiate

Abstract: The purpose of this experiment was to determine the mass of carbon dioxide emitted by a single car idling in a fast food drive-through. By measuring the pH change of 1L of water after the car idled for 5 minutes, and assuming that carbonic acid was produced, the mass of carbon dioxide was calculated. It was found that the mass was small but still measurable.

Biography

Currently enrolled at Thom Collegiate in Regina, Saskatchewan where I have lived all my life, I am currently enrolled in the International Baccalaureate Diploma Programme and will finish high school studies in May 2007. During my high school years I have been involved in many extra curricular activities, including playing the flute in the school band, singing in the school choir, acting as a grade 9 mentor and a peer tutor, and devoting many long hours to our school's athletic trainer program. In the fall I will be attending the University of Ottawa, where I have been admitted to the faculty of Social Sciences to study Criminology as part of the French Immersion program. My long term goals include obtaining a degree in behavioral neuroscience, which when combined with my criminology studies will hopefully allow me to contribute to advances in crime prevention and criminal rehabilitation.