

## CWSF 2006 - Saguenay, Québec



### Cassie West, David Gilmour

#### How do O<sub>2</sub> and CO<sub>2</sub> conditions affect aquatic plant growth under different wave lengths of light?

**Division:** Physical & Mathematical Sciences

**Category:** Junior

**Region:** Toronto

**City:** Scarborough, ON

**School:** Charles Gordon Sr. P.S.

**Abstract:** This experiment studied the affect carbon dioxide and oxygen concentrations had on aquatic plant growth (java moss) under different wavelengths of light. After weighing the growth (g) we concluded that with high CO<sub>2</sub> levels, yellow light provides optimal growth, whereas blue provides healthy growth with little to no CO<sub>2</sub>.