

Global warming countermeasure in Aomori

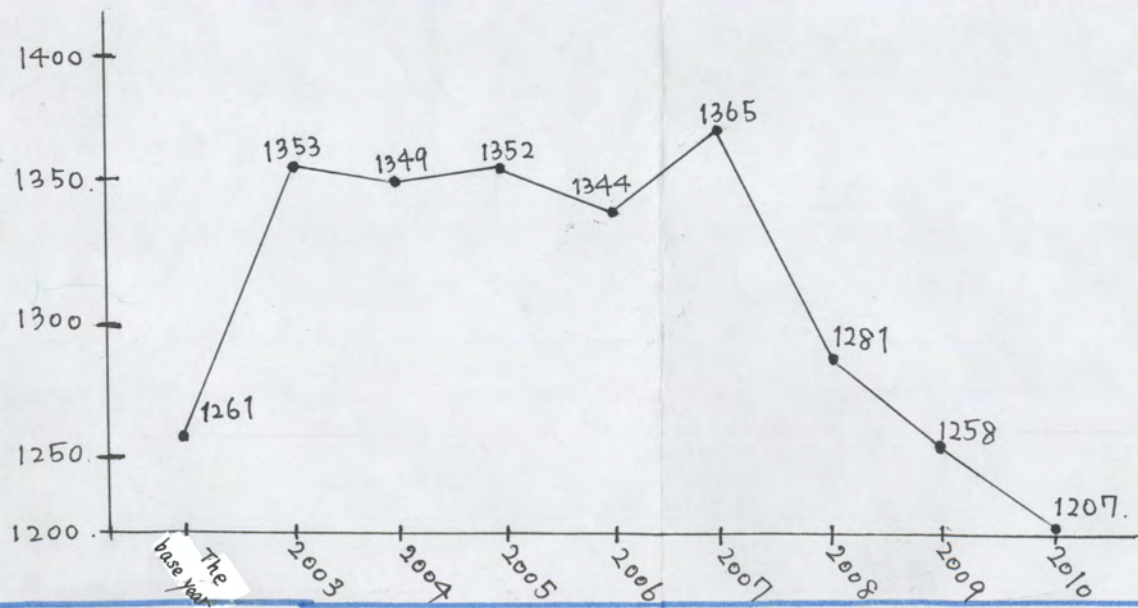
This project is to control greenhouse gas emissions.

In recent years, greenhouse gas emission is decreasing in Japan.

But, greenhouse effect gas has not yet decreased to the Government has declared internationally the goal to cut greenhouse gas 25% less than 1990 levels.

Together with the whole nation, it is necessary for Aomori to continue to strengthen this effect.

The increase rate of greenhouse gases.



A PLANTS INFLUENCE ON GLOBAL WARMING

HIROSAKI MINAMI HIGH SCHOOL

12HR 7GROUPS



The purpose, hypothesis and the method

When plants carry out photosynthesis, they release oxygen and lower the temperature around.

We thought that plants that carry out photosynthesis can reduce the influence of global warming.

Therefore we experiment on Egeria densa also called "Brazilian Waterweed".



E. densa

Experiment ①

We put an E.densa plant in a beaker. We exhale into the water for 10 seconds and then exposed the beaker to light for **10** minutes. Then we examined the frequency which an E.densa did photosynthesis. Doing photosynthesis one time is when one bubble comes out of the water.

Experiment ②

We put E.densa into the beaker, and exposed it to light without film, and with red, yellow, pink, green and blue film. When E.densa did photosynthesis for ten minutes, we examined its frequency and the change in temperature twice. Also we measured the change in temperature without E.densa. From experiment ①, we found that frequency of doing photosynthesis is fixed. From experiment ②, in the beaker with only water, the water temperature rose. When it has no film, the beaker with only water rose in temperature because of the light.