# The effect of feeding pressure that occurs around us． 

Sendai Daisan Senior high school
Team 01

## 【Introduction】

The prey＇s diversity is kept by predators eating them．
$\rightarrow$＂Feeding Pressure＂is important for keeping the balance of ecosystem． To investigate an example of feeding pressure，we have observed how algae are affected by water snails．

## 【Hypothesis】

Competitive relationship between algae and diatom is influenced by water snail＇s feeding pressure．

## 【Purpose】

To understand the effect of feeding pressure of giant snail on the competitive relationship between diatom and green algae．

［Result］

※ The side with or without water snail is labeled＂included＂or＂nothing＂，respectively． As you can see from the figure on the left，there is no difference between left and right side at week 0 ．

## 〔Week 0 v．s Week 1〕

On 1 week，the side with no water snail has more green algae and break diatom shells．

## Graph（from（3）to（5）using T test ${ }_{1}$



## ［Conclusion】

Diatom＇s shells get broken．$\Rightarrow$ We assume diatoms die because of lack of light nutrition，which they need for survival．
Green algae grow faster than diatom，but they are eaten by water snail．

## Competitive Relationship Between

Algae and Diatom Is Influenced by Water Snail＇s FEEDING PRESSURE．

## 【Outlook】

We will express the data in numbers by controlling the preys，we will research characteristics of the water snails feeding．

