

# About scallops in Aomori

「Scallops are ...」

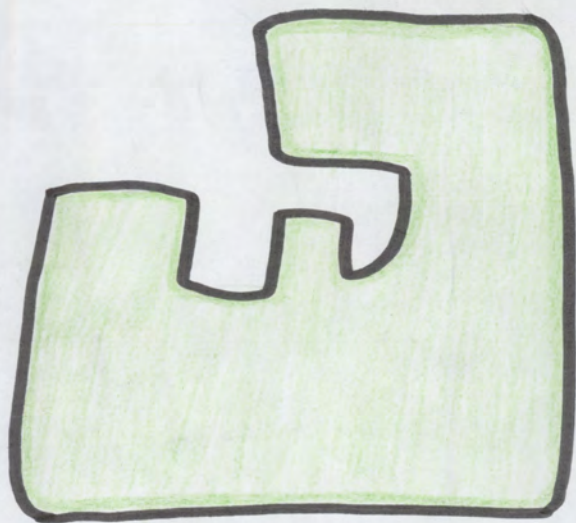
A scallop is a kind of shell fish and if you eat it, it is very delicious.

We can eat all parts of a scallop.

Mutsu Bay is one of the places we can catch many scallops in Aomori.

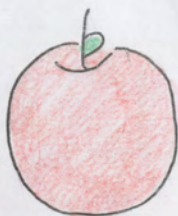
Every year, we can catch many scallops, but sometimes the number of scallops decreases because of water temperature.

# SCALLOPS OF AOMORI



Aomori is the number 1  
prefecture for catching scallops.

Scallops are the next famous thing to apples in Aomori.



# PREVENTING SCALLOPS FROM DYING

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## -PURPOSE-

A lot of scallops die, though they are often seen at our meal.

In order not to leave them to die more we researched into the temperature which has close relations to mortality of scallops.

## -HYPOTHESIS-

A lot of scallops died because of the rise in water temperature in relations to global warming and since infection disease had happened.

## -HOW TO EXPERIMENT-

So, we put water temperature buoys which predict the temperature in advance and took measures to protect scallops when seawater will be warmer.

## < CONTENT OF RESEARCH >

In recent years, many scallops died because it had been high temperature of  $26^{\circ}\text{C}$  in Mutsu Bay of Aomori.

From this, we thought that the water temperature was involved with the death of scallops, so we researched the skills which is developed not to cause the death of scallops in high temperature.

After our examination, we understood the rise in water temperature increase the probability for scallops to die.

So, we put water temperature buoys which predict the temperature in advance and took measures to protect scallops when seawater will be warmer.

We understood the method sinking the cage to the bottom of the sea and the aquaculture technique developed for reducing the influence of the wave.

The technology was developed, if a large number of deaths will happen, we can measure, we were prepared to lower a large number of deaths percentage.