

# The best new material for Biomass generation

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## about biomass energy

☺ What is biomass energy ?

Biomass describes bio (living thing resources) and mass (quantity).

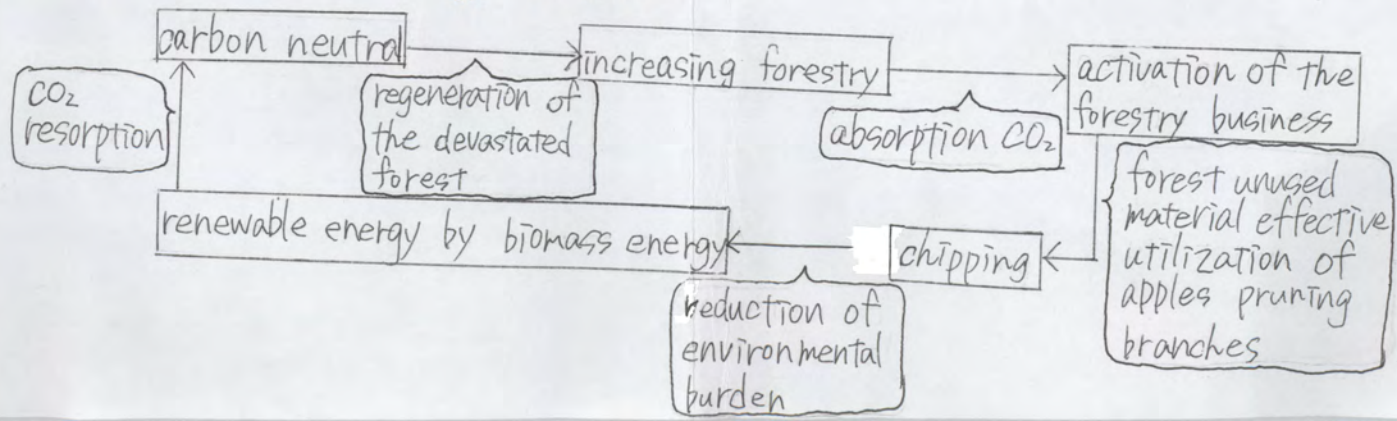
Biomass converts processed solid body fuel by fermentation to burn recovered gas and ethanol into energy (electricity, heat).

The electricity which is made from natural energy has the merit of not emitting CO<sub>2</sub> and not giving burden to environment.

But it has the demerit that it is more expensive than Nuclear Energy.

So, it's hard to be popular.

☺ Tsugaru Biomass energy tackles



# Purpose

In biomass power generation, processed gas and ethanol are burnt and changed into energy.

This part of energy becomes clean electricity.

Biomass energy doesn't emit  $\text{CO}_2$  and doesn't give load to environment.

But, it costs more than fossil fuels and nuclear power.

So, it's hard to be popular.

So, we found it best to generate biomass and be good to the environment.

# Arrangements

- ① Put the water and dry yeast in a Kuhne Fermentation Tube.
- ② We put in the Non-edible parts including carbohydrates.

Dry Yeast: 3g, Water: 30g,

Use: the western dandelion and clover. Time: 3 minutes.

# Result

Dry yeast in 30g of water and I added western dandelion and clover.

We watched it for 5 minutes. As a result, western dandelion emitted 3.6g of carbon dioxide clover emitted of 1.4g of carbon dioxide.

## "A study of this experiment"

At first we compared clover with Dandelion.

Dandelion emitted more  $\text{CO}_2$  than Clover in three minutes.

When we look back on this experiment, we think the difference between the plants is the amount of carbohydrates they have.

## "Conclusion"

We find only the difference in  $\text{CO}_2$  emitted between the plants from this experiment.

We want to research about the difference between other kinds of yeast.