

# Problem. *problem*

~ about woody biomass fuel ~

- ① It needs to dry for a long time.
- ② It is more expensive than chemical combustion.

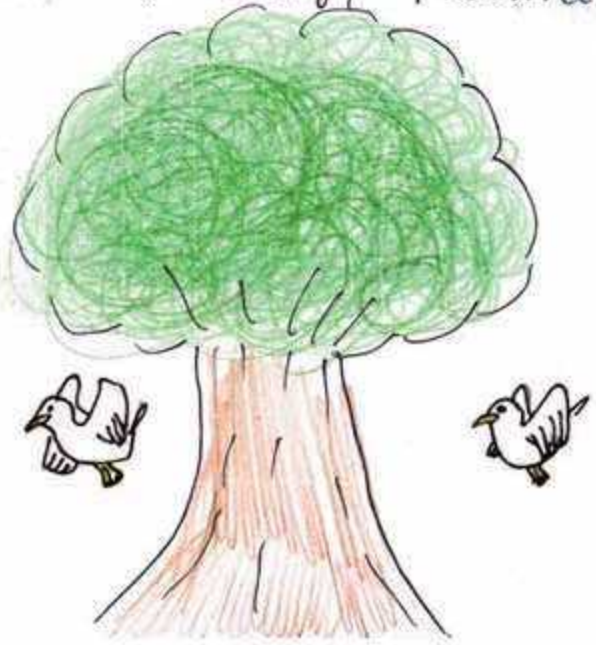
~ about boiler ~

- ① Woody biomass fuel boiler is very big.
- ② It is so expensive.



It is necessary to disseminate boilers using woody biomass resources and to spread the technology to suppress global warming to the world.

It was interesting how Aomori's wood resources are used as energy resources.



# Energy of

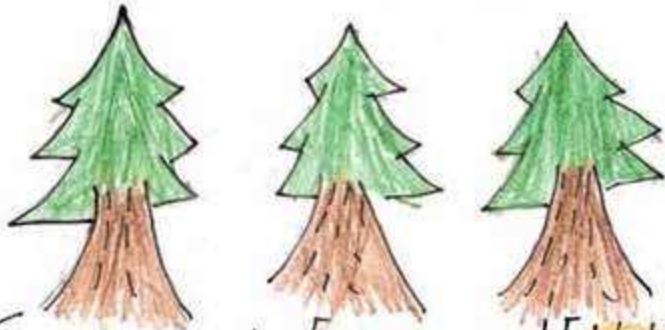
# AOMORI

# MINAMI

16HR - Group 8

# Motivation

Aomori has many wood resources, so we are interested in using them for energy resources.



For example, "Sugi" and "Hiba" etc.

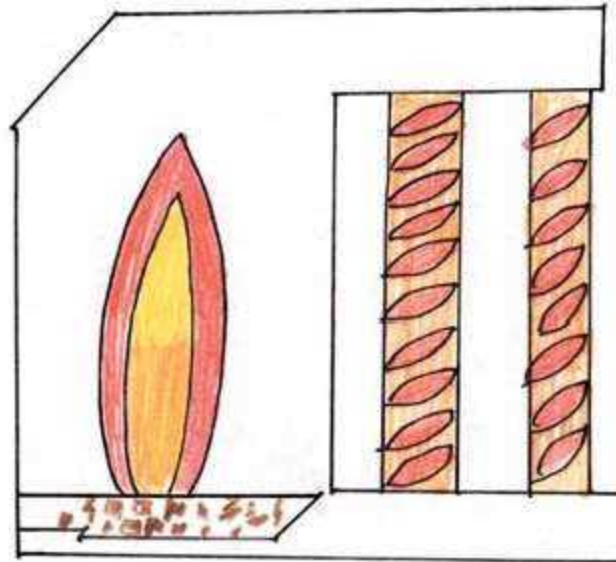


## Results ①

Wood resources in Aomori Prefecture are processed into woody biomass fuel.

Sasaki Corporation has different systems depending on how woody biomass fuel is processed.

Three main types of woody biomass fuel: "wood chips", "wood pellets", "fire wood".



## Results ②

Using woody biomass fuel rather than chemical combustion reduces carbon dioxide emissions.

It has primary and secondary combustion, it's effective for secondary combustion.

@ What is secondary combustion?

Burning wood chips and unburned gas left unburned by primary combustion. Secondary combustion can improve combustion effect.

100% < carbon dioxide emissions >

