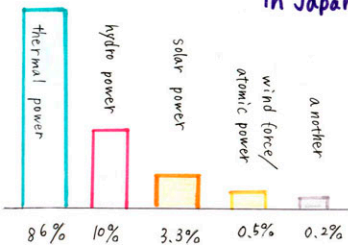
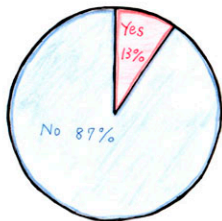


3. Types of Electric Power Generation in Japan



4. Interest level



We asked our classmates!

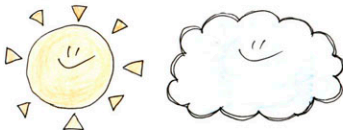
"Are you interested in electric power generation?"
A boy said to us, "I have an interest in it.
I want to know how to make electric power."

5. Aomori can...

- Use more hydro power because we have a lot of meltwater.
- Use more wind power because there aren't so many people.
- Have enough electric power because of atomic power plants.
- Put more solar panels because we have many places.

6. Consideration

- We have to reduce thermal power plants for the global environment.
- We have to do suitable electric power generation for the environment.
- We have to know more about electric power generation.



ECO-friendly energy



12HR Group 7

1. Motive

We don't know about energy electric power generation very well, So we want to research about it.

* Wind Power Generation *

A big propeller is moved by the wind generates power by wind force.

⊙ merits

- It doesn't need cooling water.
- If wind is blowing, it can make electric power all days.

△ demerits

- Fluctuating electric power level.
- It is often struck by lightning.



* Hydro Power Generation *

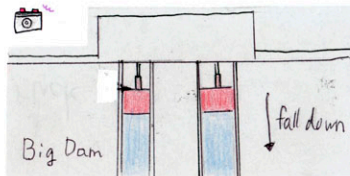
Fall down hydro power into electric power. A turbine is moved by falling water, turns movement into electric power.

⊙ merits

- Not easy to stop electric power generation.
- Doesn't produce greenhouse gas.

△ demerits

- Can't build new Dams in Japan.
- If there isn't enough rain, it can't generate power.



* Solar Power Generation *

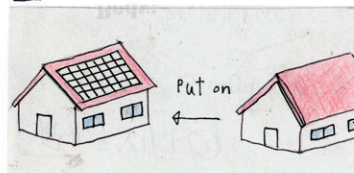
Solar panels make electric power. Solar panels are put on roofs.

⊙ merits

- Doesn't produce greenhouse gas. Can be used for every house, so the electric bill is down. Can be put many more places than the others.

△ demerits

- Can't generate power at night.
- Solar panels are expensive.



2. Electric Power Generation in Aomori

* Atomic Power Generation *

makes steam in boiler from atomic power. steam goes to the turbine. The turbine moves and makes electric power with a machine.

⊙ merits

- Can supply steady electrical and very high electrical power.
- Electric power generations cost is cheap.

△ demerits

- We should be careful when using fuel rods.
- Fuel rod and power plants become dangerous radioactive wastes.

