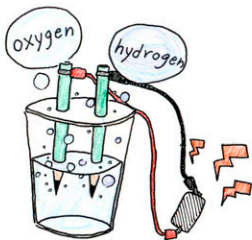


## — • Research Report • —

Comparing the experiments of salt water and the sports drink, the salt water had more of a big sound than the sports drink.

Therefore, we think salt water is more suitable for power generation.



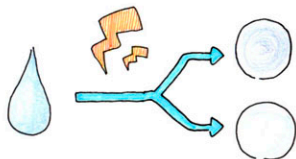
## — • Future • —

Fuel cells don't emit greenhouse gases, which are a problem in power generation. Therefore, it can be classified as a clean power generation.

But, fuel cells cost a lot of money.

If we can reduce that cost, we think fuel cells will be able to play an active part in the future.

## Familiar Fuel Cell and Possibilities



HIROSAKI MINAMI  
HIGH SCHOOL

13HR group 3

members

## • Motive and Purpose •

We wanted to know if we could make a fuel cell easily.

And, we thought "what is the necessary ingredient for a chemical reaction?"

## • Hypothesis •

We thought that fuel cells need hydrogen and oxygen.

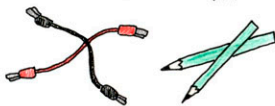
And, power generation processes need some ions.

## • Procedure •

- ① lead cords bind to the lead of pencils.
- ② keep connected to a battery for three minutes.
- ③ disconnect the lead cords which are connected to the battery.

## • Materials •

- sports drink, salt water
- a plastic cup
- two lead cords
- 9V battery
- cutter knife
- an electronic music box



## • Results •

experiment with salt water

- The sound kept ringing for about 5 minutes.
- It was a big sound.

experiment with sports drink

- The sound rang as long as the experiment with salt water.
- The sound rang less than the salt water.

