

# NUCLEAR POWER GENERATION

Strong points

- It doesn't discharge CO<sub>2</sub>.
  - It doesn't discharge sulfur monoxide and nitrogen monoxide which can cause air pollution and acid rain.
- bad points
- If imported energy stops, we can't generate enough power because we are dependent on "Uranium".

## \ Question /

Is it wrong to.

1. Be exposed to radioactivity?
2. Be exposed to radiation?
3. Be exposed to radioactive materials?

## Conclusion

nuclear power

- It doesn't discharge CO<sub>2</sub>.
  - The generation of electricity by nuclear energy is a lot.
- Wind power generation
- Challenges harmony with the surrounding environment.

Wind power generation

- Construction period is short.
- We can operate it at night time.
- harmonize with environment.

Hydroelectric power

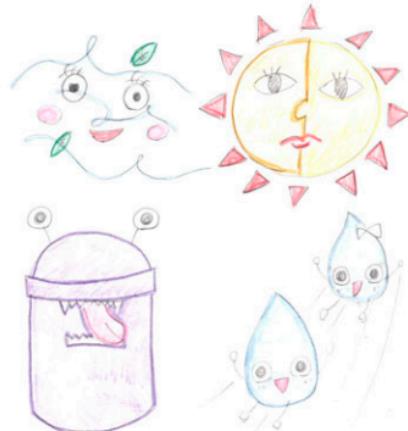
- It doesn't discharge CO<sub>2</sub>.
- Cause of environmental disruption.

Q and A  
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## Reference materials

- Wikipedia
- The ministry Agency for Natural Resources and energy

## Is Nuclear Power Generation Necessary?



HR11

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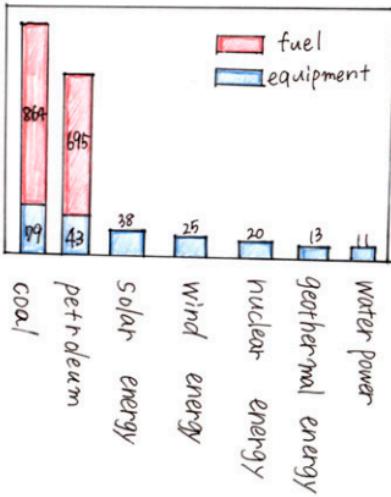
High

School

## MOTIVE

We had a lot of flood damage in the nuclear reactor accident seven years ago, So we're concerned about nuclear power generation and renewable energy.

## <emissions of CO<sub>2</sub>>



## Wind power generation

Strong points

- low cost
- construction period is short
- we can introduce many kinds of wind power generation.
- We can operate it at nighttime.
- improvement points
- harmonize with environment
- Correspond typhoon etc
- ... wind mill

## Hydroelectric power

Strong point

- It doesn't discharge the greenhouse effect gases
- bad points

- Cause of environmental disruption
- Earth and rocks accumulate after years of use.

## Photovoltaic power plant

Strong point

- Photovoltaic power can sell the excess generated energy.

bad points

- early costs are very expensive.
- It's easily influenced by the weather.

## Consideration

- We thought that environment is broken by CO<sub>2</sub>.  
Because it is biased.
- Thermal power generation in current day Japan.
- Increase the power generation from renewable energy, we thought it is necessary to increase the overall self-sufficiency rate.

## Solar power

- The high initial cost.
- It is possible to cover the day time power by the power generation.
- Surplus power can be sold to electric companies.