



Hi, Gring.

The CO₂ monsters increase little by little when people use energy (for driving, flying, heating etc.) that comes from coal, oil, and gas. 0000

Even though the amount of CO_2 produced by a single person is small, the amount of CO_2 produced from all people around the world is very large. The CO_2

The CO_2 monsters in particular

Trees and other plants have helped by eating at least some of the CO₂, but much has stayed in the air.

The CO2 monsters have come together and covered the Earth.

This CO2 works like a too thick blanket, holds in the warmth around the Earth, so we have **Global** Warming.

I'm Gring, and this is Woodin.

If the temperature keeps rising, this will be dangerous for many living beings.

Global warming ...

20

but when the temperature increases little by little, the change in the environment must be subtle, right? Once it drops, it can't go back up the cliff.

> it has crossed the point of no return!



The higher the temperature, the closer we are to the point of no return.

We can stop it whenever we want, right?

> There are many people who think that way.

But things are not that easy, and we are already in trouble!

WARNING

When a ball rolls down a gentle slope, its speed is slow.



But what if there is a cliff?



Suddenly, it will drop at high speed. That is why Prof. Schellnhuber called out to international people.



He suggested that we should control the increase in

2°C

temperature to less than 2°C, and the world agreed with him.

> This is called the Paris ≁Agreement.



It was a very important step that we set a specific guardrail number instead of a vague goal! For example, if all the polar ice melts and becomes part of

the ocean ...





People from around the world discuss keeping the promise of controlling temperature rises to less than 2°C.



The sea level will eventually rise 70 meters, and most land areas near the sea will be covered.

Not only will the polar bears lose their place to live, but people and many other animals will, t00.

Everyone needs to think about how we can 🔶 $cut CO_2$ in our lifetimes and take action to realize it.

 CO_2 is a major cause of global warming. We need to decrease CO_2 as fast as possible!

WARNING!

Then, the companies will have no choice but to follow. We need to change the minds of individuals and politicians to survive.

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We will work to decrease CO_2 like you! Thank you, professor.

We researched what we can do to control the emissions of CO₂! For air conditioners, set each one 1°C higher for cooling and 1°C lower for warming.

It will cut emissions of CO₂ by about 33 kg per year.

Cut 8 km worth of driving twice a week. It will cut emissions of CO₂ by about 184 kg per year.

4

Use buses and trains, as well as bicycles, for commuting and shopping! Moving on foot or by bicycle is good for your health, too! Stop idling for 5 minutes per day by turning off the car engine when stopping the car when waiting for



It will cut emissions of CO2 by about 39 kg per year.



50%. ower supply. t use the while, pull buying a bld elect one addy

It will cut emissions of CO₂ by about 60 kg per year. It will cut emissions of CO₂ by about 69 kg per year

CO₂ by about 14 kg a per year.

Reuse the remaining water in the bath for the washing machine. It can also be reused for watering garden plants and as toilet water. It will cut emissions of CO₂ by about 7 kg per year. Stop using the "keep warm" feature of rice cookers and electric kettles.

When you keep rice or water hot for a long time, it consumes a lot of electricity. Warm the rice in a microwave to decrease electricity consumption.

emissions of CO_2 by about 34 kg per year.

It will cut

When all members spend time in a room rather than individual rooms, you can cut the use of air conditioners and the lights by 20%. It will cut emissions of CO₂ by about 238 kg per year.



It will cut emissions of CO2 by about 58 kg and save resources.

When we go shopping, bring an eco-bag!

Let's start today from anything we can!



What is the, Blue Planet Prize?

It is a prize given to the people who work hard to protect the Earth's environment....



This is

Blue Planet Prize Story

http://blueplanetprize.org/en

You can learn what the prizewinners think in order to protect the environment of the Earth and leave it to the next generation, and how they have been working for that purpose on the website.

> Winners of the Blue Planet Prize 2017

You can readn stories about Prof. Schellnhuber and Prof. Daily

Prof. Schellnhuber



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Environmental Doomsday Clock

A clock that shows how worried people are around the world about the Earth's environment.

As of 2018, the time is



Prof. Schellnhuber's Fun School July 2019, The Asahi Glass Foundation

