

Black carbon is a particle; it is made from burning diesel, wood, or coal.

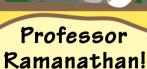
But the black carbon isn't gone.

Cough, cough! That's terrible smoke.

Are you OK?

If you have a mask,

put it on.



2021
Winner of the
Blue Planet Prize
This
smoke is

brownish.

Because
it contains
soot or as we
scientists call it,
BIACK CARBON



It spreads into the sky and pollutes the air.
It's not good for health.

Black carbon and other chemicals will form a brown cloud.

Black carbon in the brown

cloud traps sunlight and



Look at that brown cloud! It spreads thousands of kilometers.

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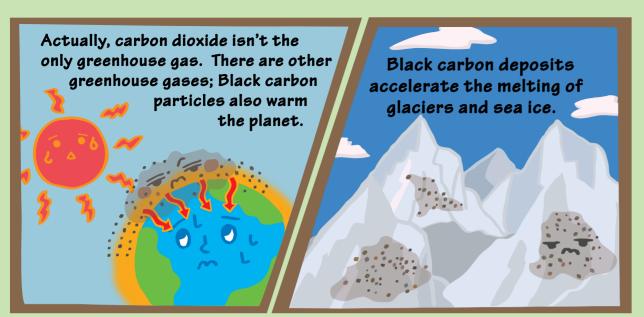
But isn't carbon dioxide responsible for global warming?

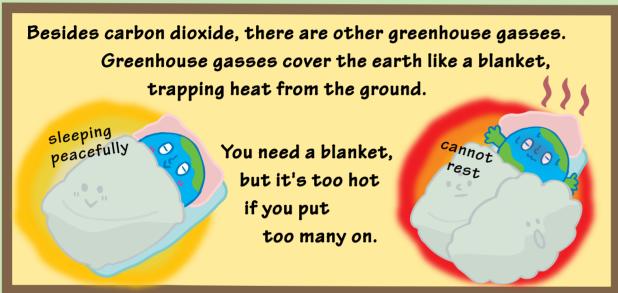
I'm very infamous!



*Carbon dioxide is the major heat-trapping gas that causes about 50% of the global warming.

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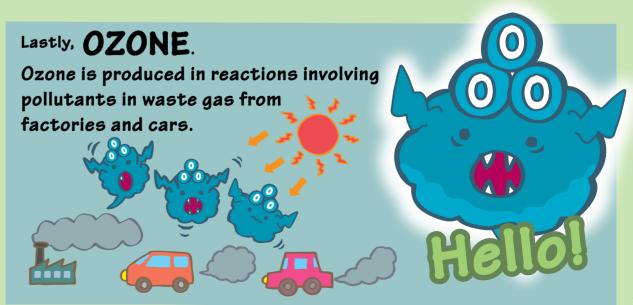


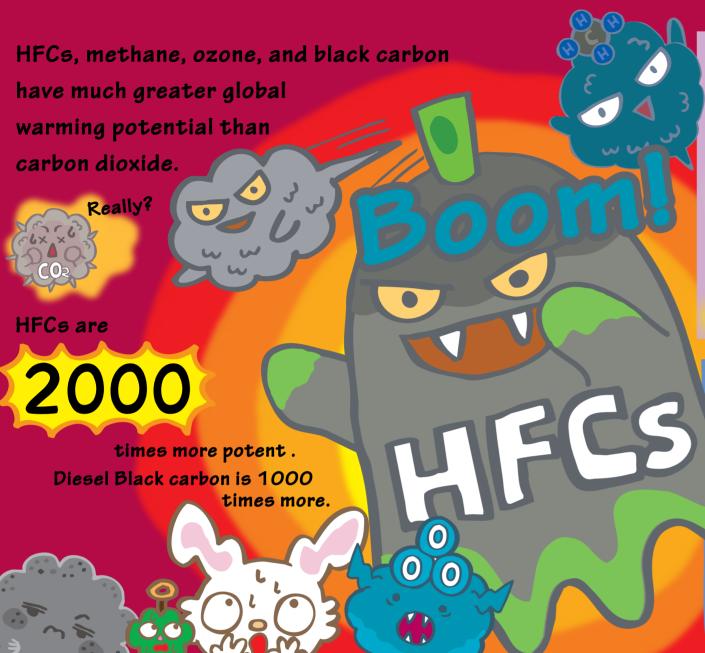












But these ones have shorter lifetimes than carbon dioxide.



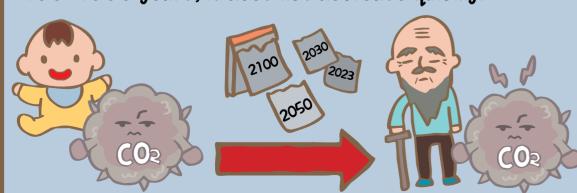
in the world were fitted with filters, black carbon would not be released into the air.

Then, black carbon would soon disappear from air pollution. Millions of lives lost to air pollution would have been saved.



Bye bye!

One more thing. Carbon dioxide lingers on in the air for 100-1000 years; it does not decrease quickly.



By reducing potent but short-lived pollutants in the air, we can slow down the rate of global warming quickly within the next 20 years.





