



suffocating
on
Air...

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* Air pollution ♦

The air is murdering us.
Not only us but animals,
the ecosystems and our
entire planet! ♦

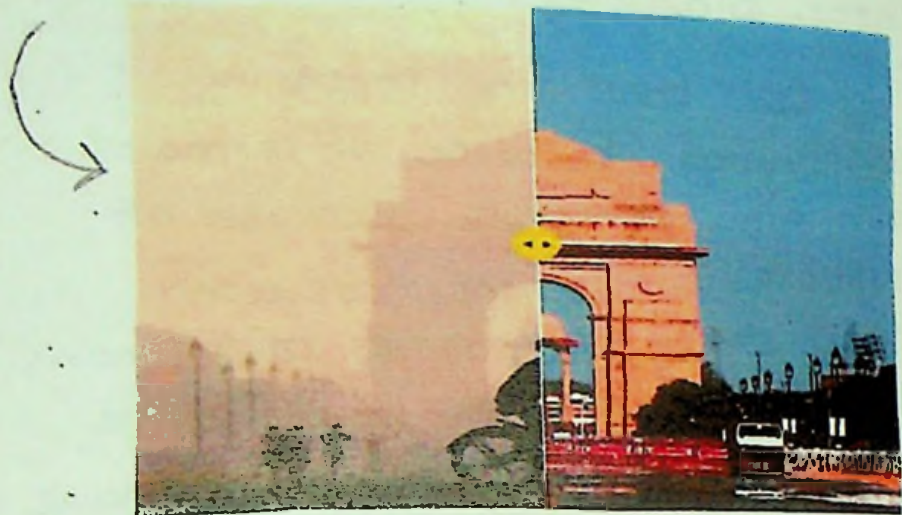
♦ Our bees are becoming
endangered because of humans.
our air is horrible because of
humans. our entire ecosystem
is in danger because of humans.
That being said, humans are the
only thing that can fix the damage
they have done. ♦

♦ No one can say that pollution
is not because of humans because
of Covid-19 and obvious photo
evidence. ♦



??? Did you know ???

~~~~~  
Covid-19 and its isolating effects  
spiked an improvement of air quality?  
There is even photo evidence!



NO<sub>2</sub> levels From 2019-2020

NO<sub>2</sub> levels were greatly increasing during 2019. A lot to an abrupt decrease because of the Covid-19 pandemic. No one was on the roads and businesses are forced to close for months. All human causes of increase in gas emissions were largely stopped.

DR1



About 50% of NO<sub>2</sub> in the air comes from traffic emissions (NASA).

~~~~~  
Do you remember the 4 hour traffic?!

Then the lockdown hit... and we were forced to isolate.

~~~~~  
Around the U.S., NO<sub>2</sub> levels dropped 10-25% on average (NASA). Not only does this prove that we impact air pollution from jobs, cars, and factories, but it proves that there is no excuse or lie!

Just look at the difference!

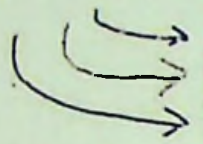


DON'T LOOK  
THE OTHER  
WAY! ?  
WE NEED YOU  
TO SEE !  
DR1

2020

It's New

Air



But Now ...



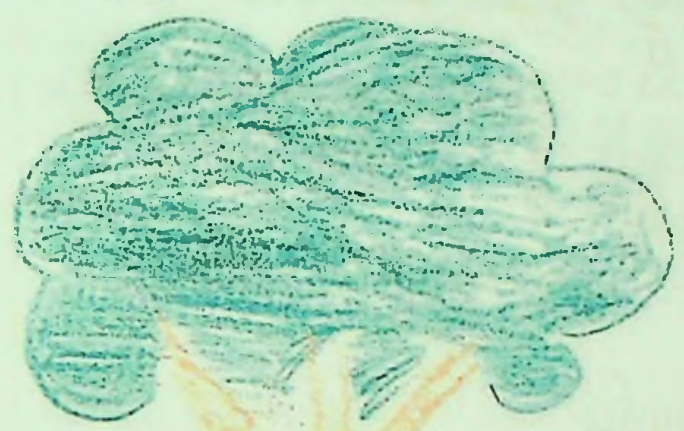
NO<sub>2</sub> levels are higher than ever!

It took an entire pandemic for humans to accidentally improve air quality...

Now that we are back to "normal", we are worse than ever.

What will we do to change?

OK!



As trees grow they help stop  
Climate change by removing  
Carbon dioxide

KS  
5

Adding plants  
& trees to landscapes near  
factories & other polluted sources  
could reduce air pollution  
by an average of 25%

- Plants purify  
the air by absorbing pollutants



What would happen if  
we lose trees?

**EVERYTHING**

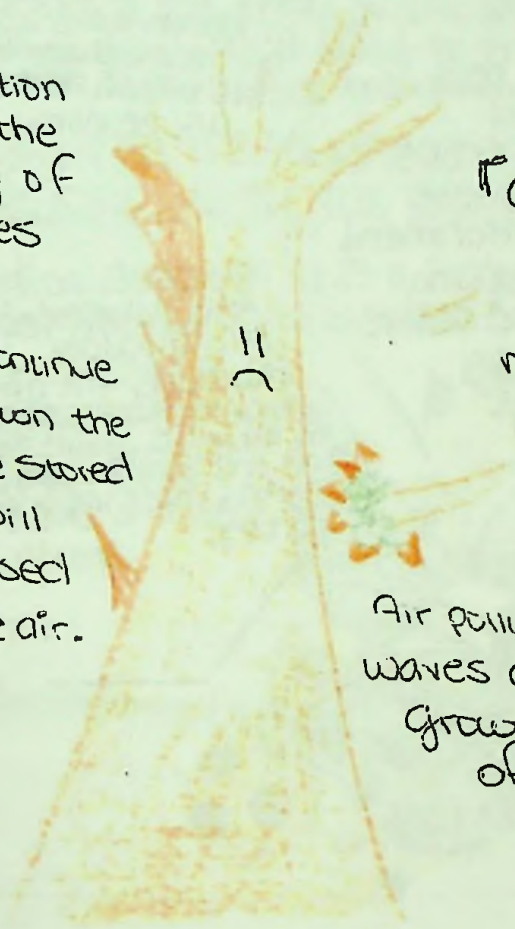
Will Change

Air Pollution  
causes the  
burning of  
leaves

• If we continue  
to cut down the  
trees, the stored  
carbon will  
be released  
into the air.

Climate  
Change  
makes trees  
more likely  
to fall

Air pollution, heat  
waves disrupt  
growth or health  
of tree life



KJ 7

KJ 6

# HOW IMPORTANT ARE BEES

One of every three bites of food eaten worldwide depends on pollinators, especially bees, for a successful harvest.

Honey bees are used as commercial pollinators in the U.S. They pollinate over 100 crops grown in North America and annually contribute \$15 billion to the U.S. economy

Honey bees don't only pollinate crops, they contribute to the environment by pollinating wild and native plants as well.

The global decline of pollinators threatens the reproductive success of 90% of all wild plants globally and the yield of 85% of the world's most important crops.



8 JB



New research published in the Journal Environmental Pollution suggests that air pollution may be making it harder for bees and other pollinators to follow the scent of flowers. A team of researchers exposed fields of black mustard to ozone and nitrogen oxide (think diesel exhaust!) to observe the effect on local pollinators. This includes bees, butterflies, moths and hoverflies. Plants exposed to polluted air had a 14 to 31% reduction in pollination.

THINK ABOUT ALL THE POLLUTANTS THAT WE BREATHE IN ON THE DAILY

The finding suggests that a factor of the global decline of bees could be linked to air pollution. Pesticides, herbicides, and rising carbon dioxides all contribute to air pollution and a threat to agriculture.



JB

Fertilizing California's almond trees is the country's largest pollinator event.



Did you notice supply in almond milk and almond butter has dwindled? Turns out this is due to an all time high of loss in commercial bees. This is just a glimpse of what to expect with the world's food production.

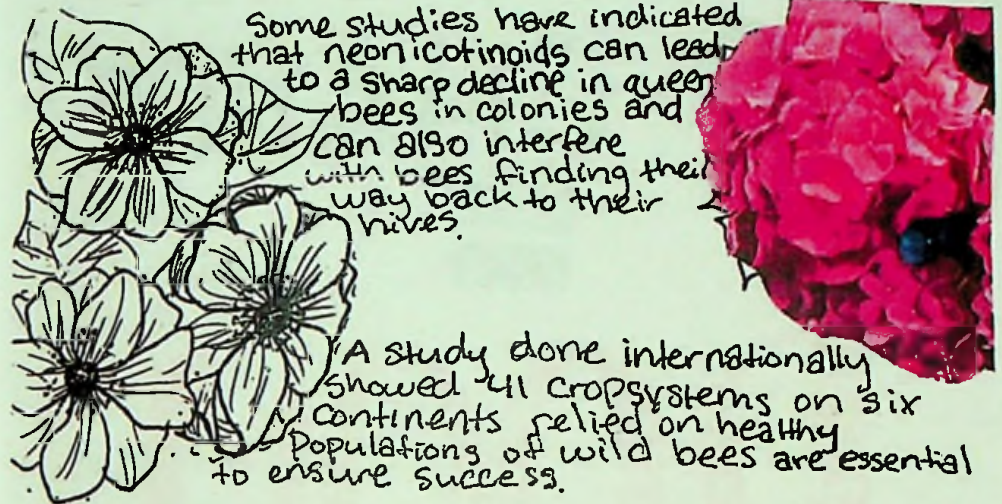
Over the last 10 years, beekeepers have been reporting a 30+% loss of bees. Recently, U.S. beekeepers experienced 40-50+% loss of bees. This number is not sustainable.

A pesticide known as neonicotinoids are one of the leading suspects in causing colony collapse disorder. It's the world's most widely used type of insecticide.

European Commission has intended to place a two year ban on neonicotinoids.

JB

10



Some studies have indicated that neonicotinoids can lead to a sharp decline in queen bees in colonies and can also interfere with bees finding their way back to their hives.

A study done internationally showed all cropsystems on six continents relied on healthy populations of wild bees are essential to ensure success.

YOU WOULD  
NOT LIKE A  
PLANET  
WITHOUT  
BEES



SAVE  
US!

11

JB

# NO CHANGE

=

# DOOM

How can we reduce air pollution???

## • USE PUBLIC TRANSPORTATION

walking, riding a bike, taking a bus and carpooling, all help save gas and lesson the release of fuels and gases.

## • SAY NO TO PLASTIC

## • BUY CARS THAT ARE FUEL EFFICIENT. Get a hybrid!

## • CHOOSE ORGANIC | organic farming reduces pollution from fertilizer and pesticides!

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WORK  
CITED

DR, 13

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