



OLE MATHISMOEN AND JENNY JORDAHL

GREEN STUFF

NATURE AND ENVIRONMENT AND THINGS

CONTENTS

NATURE

Here you'll find comic strips about evergreens, rainforests, introduced species and that kind of thing.

2

CLIMATE

Lots to read about how we change the climate, and why that's bad.

33

WILD ANIMALS

Cool stuff about animals.

39

POLITICS AND SOCIETY

The people in charge do a lot to save the world.

50

ENVIRONMENTAL PROBLEMS

Something about everything from the Earth's sunglasses to football fields with artificial turf.

70

GOOD THINGS BEING DONE

Here you'll find comic strips about solar energy, plastic bottles, and clever scientists.

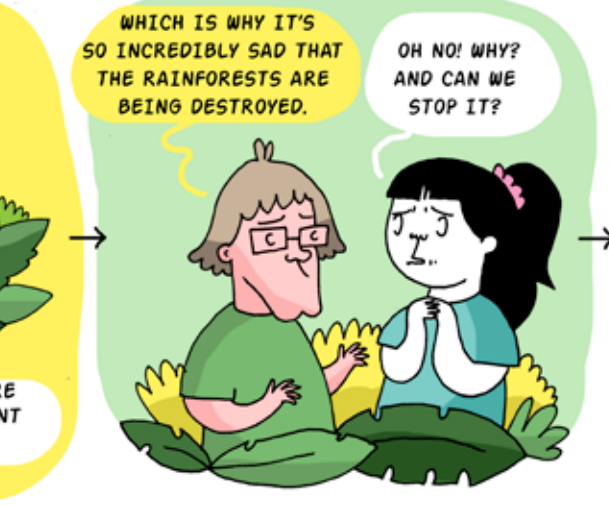
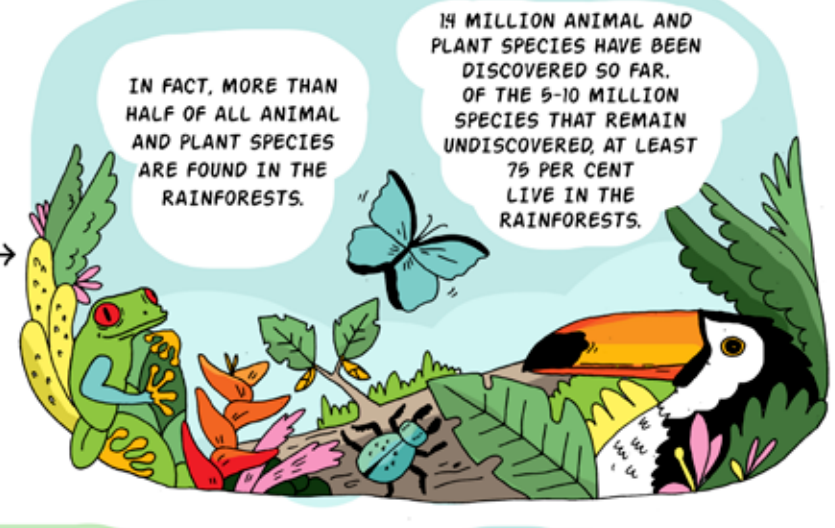
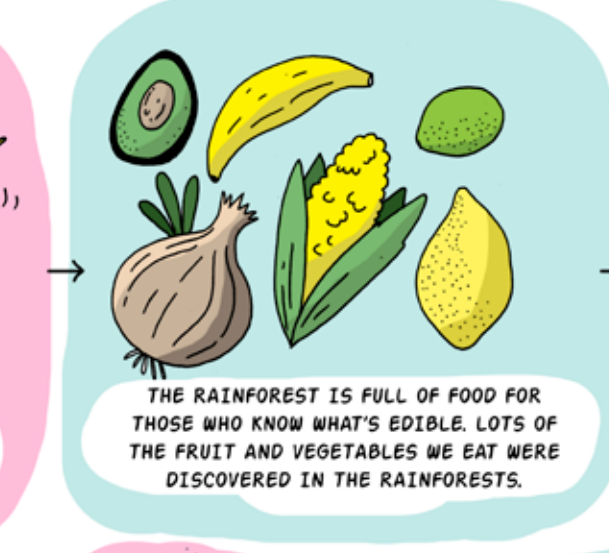
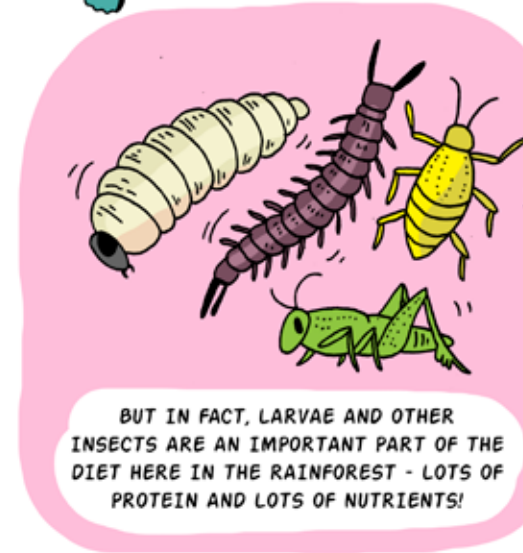
90

WHAT CAN I DO?

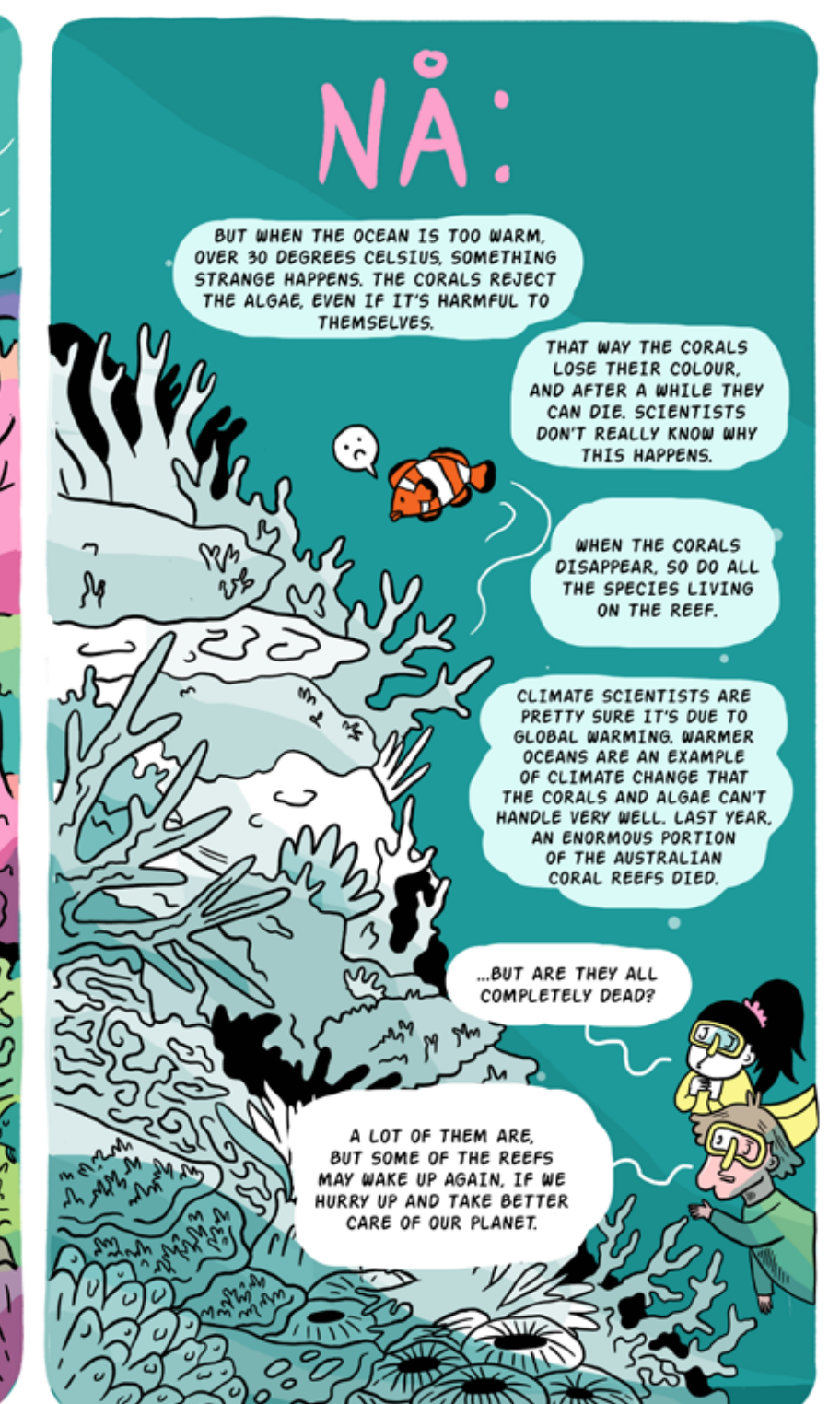
Are there clever things you, your family and friends can do?

12

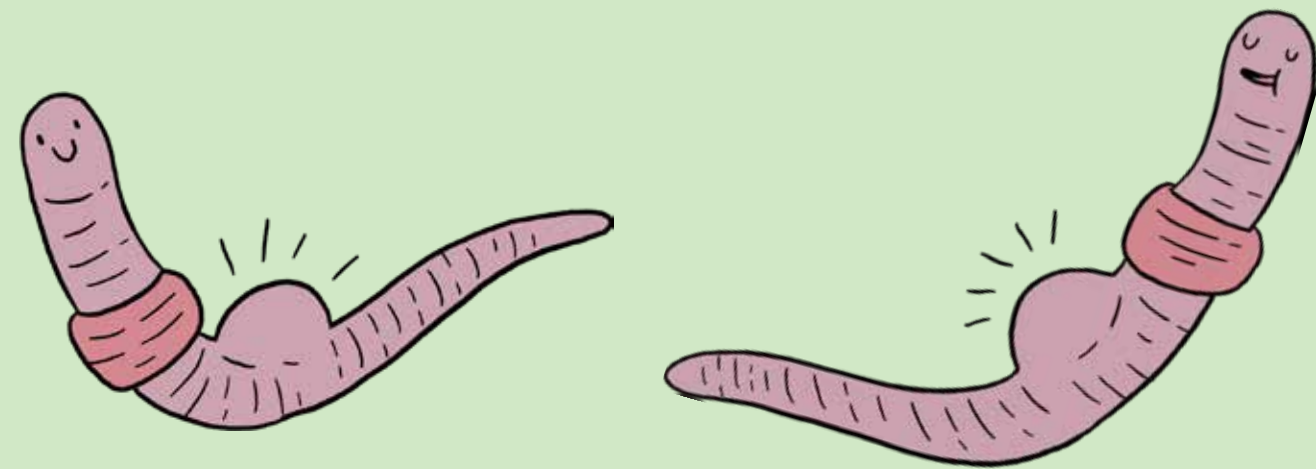
THE RAINFORESTS



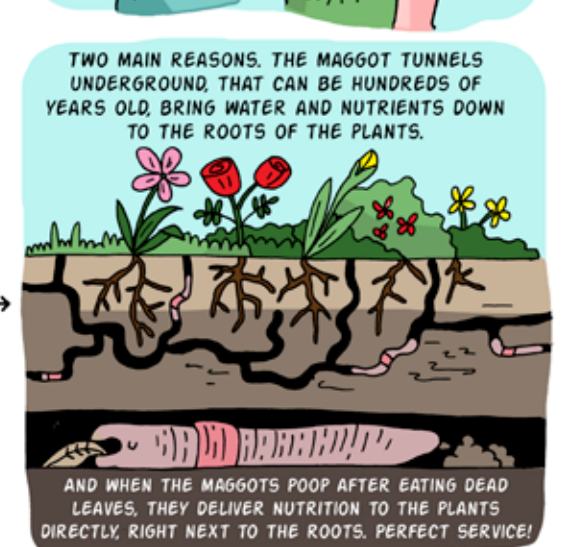
BLEACHING THE CORALS



WILL THE WORMS SURVIVE?



OVERLEVER MEITEMARKEN?



A VERY IMPORTANT HANDSHAKE

-ET VELDIG VIKTIG HÅNDTRYKK

WE HUMANS OFTEN DO AS WE PLEASE, WITHOUT CONSIDERING NATURE.

WHEN WE EMIT CO2 AND METHANE, THE EARTH WARMS UP, AND THE CLIMATE CHANGES. MORE DROUGHTS, MORE RAIN.

WE NEED TO SOLVE THIS TOGETHER!

YES!

I AGREE!

EVERYBODY AGREES THIS IS BAD. FOR MANY, MANY YEARS, POLITICIANS FROM MOST COUNTRIES AROUND THE WORLD HAVE TRIED TO NEGOTIATE A DEAL ABOUT REDUCING HARMFUL EMISSIONS.

BUT I DON'T TRUST THAT GUY!

IT'S BEEN DIFFICULT - BECAUSE IT COSTS MONEY, AND BECAUSE DIFFERENT COUNTRIES DON'T ALWAYS TRUST EACH OTHER.

WE DO ACTUALLY HAVE TO REACH AN AGREEMENT.

...SO THE REST WILL COME ON BOARD.

BUT IN 2015, THERE WAS A BREAKTHROUGH. THE PRESIDENTS OF THE TWO MOST POWERFUL COUNTRIES IN THE WORLD, THE USA AND CHINA, AGREED TO COME TOGETHER AND WORK TOWARDS A CLIMATE DEAL.

WHEN ALL THE COUNTRIES IN THE WORLD MET UP IN PARIS LAST YEAR, IT WAS A SUCCESS. A DEAL WAS MADE!

THE NATIONS OF THE WORLD PROMISED EACH OTHER THAT GLOBAL WARMING WOULD BE LIMITED TO 2 DEGREES, OR POSSIBLY EVEN 1.5 DEGREES.

IF THEY SUCCEEDED, THE MOST SERIOUS CLIMATE CHANGES WILL BE AVERTED.

BUT A DEAL ISN'T FINAL UNTIL THE NATIONAL ASSEMBLIES (PARLIAMENTS) OF ALL THE NATIONS HAVE SIGNED THE DEAL FROM PARIS. THIS IS CALLED RATIFYING THE DEAL.

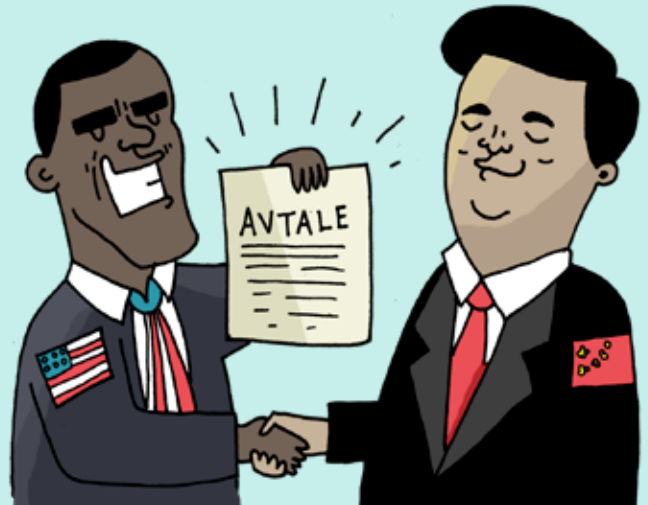
IN NORWAY, THE DEAL WAS RATIFIED IN JUNE 2016.

LATER, THE TWO POWERFUL PRESIDENTS MET UP AGAIN AND LET THE WORLD KNOW THAT BOTH THE USA AND CHINA HAVE RATIFIED THE DEAL.

THEN, OTHER LARGE COUNTRIES SUCH AS ITALY, FRANCE, THE UNITED KINGDOM AND RUSSIA, AS WELL AS A JOINT EU, SAID THAT THEY TOO WOULD SOON RATIFY THE DEAL.

AND THEY DID.

AHHH, THAT'S GREAT!



HUH? SUSTAINABILITY?



HA?
BÆREKRAFT?

SUSTAINABILITY!
SUSTAINABILITYYYY!

IT'S A TRICKY WORD.
YUP. IT'S ALSO MISUSED BY A LOT OF PEOPLE, SO IT'S SUPER IMPORTANT TO LEARN WHAT IT ACTUALLY MEANS.

IT HAS TO DO WITH RESOURCES, RIGHT?
EXACTLY, THAT'S WHY WE TALK ABOUT "SUSTAINABLE DEVELOPMENT".

THE TERM WAS INVENTED BY A WOMAN CALLED GRO HARLEM BRUNDTLAND.
SHE WAS PRIME MINISTER OF NORWAY, AND LED A GROUP OF WORLD LEADERS ON A PROJECT TO FIND OUT HOW WE COULD STOP USING UP THE EARTH'S RESOURCES.

THE SOLUTION IS SUSTAINABLE DEVELOPMENT!
THEY TOLD THE WORLD ABOUT THE NEW TERM IN 1987.

SUSTAINABLE DEVELOPMENT SIMPLY MEANS USING THE EARTH AND ALL ITS RESOURCES - WITHOUT USING THEM UP - SO THAT THOSE WHO COME AFTER US CAN USE THE EARTH IN THE SAME WAY.

MEANING, WE DON'T HARM NATURE THROUGH POLLUTION, WE DON'T CAUSE DANGEROUS CLIMATE CHANGE, WE DON'T USE UP ALL OF THE EARTH'S MINERALS, WE DON'T RUIN SOURCES OF FRESH WATER, AND WE DON'T CHOP DOWN FORESTS THAT ANIMALS AND OTHER PLANTS NEED TO LIVE.

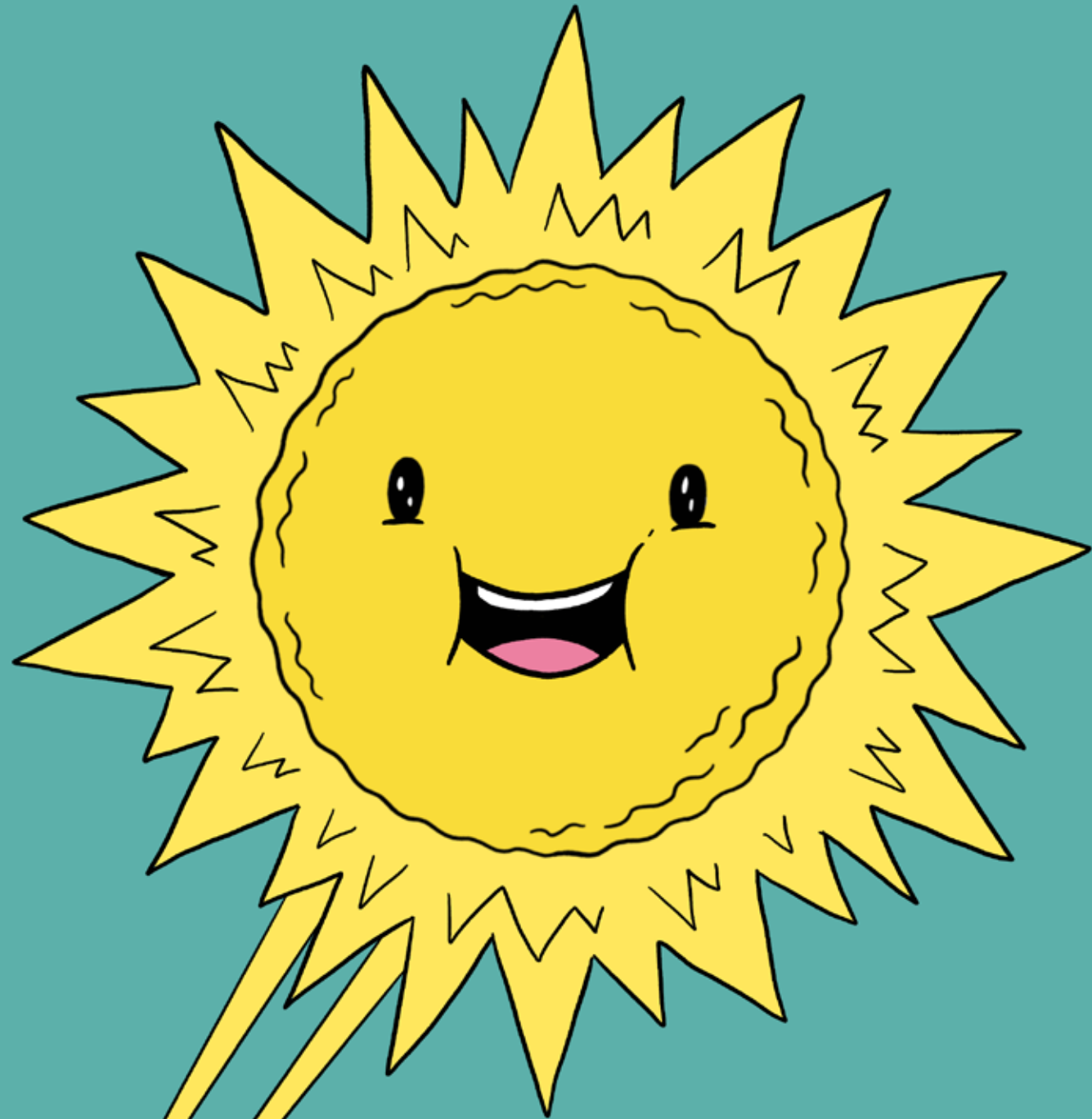
THE TERM HAS EXISTED FOR 30 YEARS. ALL POLITICIANS, EXECUTIVES AND OTHER PEOPLE IN POWER USE IT A LOT.
SUSTAINABILITY! SUSTAINABILITY!
SUSTAINABILITY! SUSTAINABILITY!

BUT YOU SAID PEOPLE MISUSE IT?
YES, LIKE ALL OTHER WORDS, PEOPLE BEND AND TWIST IT TO SUIT THEM.
I'VE HEARD POLITICIANS TALK ABOUT SUSTAINABLE POLLUTION AND SUSTAINABLE CLIMATE GAS EMISSIONS, SIMPLY BECAUSE THEY'VE REDUCED THE EMISSIONS SLIGHTLY.

THAT'S NOT HOW IT WORKS. EITHER SOMETHING IS SUSTAINABLE, OR IT ISN'T.
...AND IT'S ONLY SUSTAINABLE IF IT'S NOT HARMFUL TO NATURE OR USING UP THE EARTH'S RESOURCES.

BÆREKRAFTIG!

THE EARTH'S SUNGLASSES



HAVE BEEN FIXED!

JORDENS SOLBRILLE ER REPARERT!

SUKK!
KLIMA, TRUMP, GIFTIG LUFT, DYR SOM BLIR UTRYDDET. JEG ER SÅ LEI AV AT ALT GÅR DÅRLIG!

BUT LISTEN, THERE ARE NICE STORIES ABOUT NATURE AND THE ENVIRONMENT AS WELL.

OOOH, TELL ME A HAPPY STORY!

DO YOU WANT TO HEAR ABOUT THE HERRING THAT'S BEEN SAVED, THE FROGS DOING MUCH BETTER NOW, OR THE EARTH'S SUNGLASSES?

I'LL TAKE THE ONE ABOUT THE SUNGLASSES, PLEASE!

OK! HIGH UP AROUND THE GLOBE, IN THE STRATOSPHERE, WE FIND THE OZONE LAYER.

IT CONTAINS LARGE AMOUNTS OF A GAS CALLED OZONE.

OZONE ABSORBS, MEANING IT SOAKS UP, A LARGE PART OF ALL THE SUN'S ULTRAVIOLET RAYS. THOSE ARE THE RAYS THAT MAKE OUR SKIN TAN IN THE SUMMERTIME.

THE OZONE LAYER PROTECTS LIFE ON EARTH AGAINST THE MOST HARMFUL PARTS OF THESE RAYS, WHICH IS WHY WE CALL IT "EARTH'S SUNGLASSES".

BUT AROUND 30 YEARS AGO, SCIENTISTS DISCOVERED LARGE "HOLES" IN THE OZONE LAYER.

WHOAH!

AND THEY FOUND OUT WE WERE TO BLAME! SOME MANMADE GASES THAT WERE USED IN FRIDGES AND SPRAY CANS, BROKE DOWN OZONE WHEN THEY WERE EMITTED.

THE POLITICIANS REALISED HOW SCARY THIS WAS! LEADERS FROM ALL AROUND THE WORLD AGREED TO BAN CFC AND HALON GASES. TODAY, THESE GASES ARE HARDLY USED AT ALL!

AND HURRAY! THE OZONE LAYER IS ON THE MEND! IT WILL STILL TAKE MANY YEARS BEFORE IT'S ENTIRELY FIXED, BUT IT GROWS THICKER EVERY YEAR.

YAAAY! A HAPPY STORY THAT SHOWS WE CAN FIX THINGS THAT GO WRONG IF WE WORK TOGETHER!

WE CAN DO IT IF WE WANT TO!