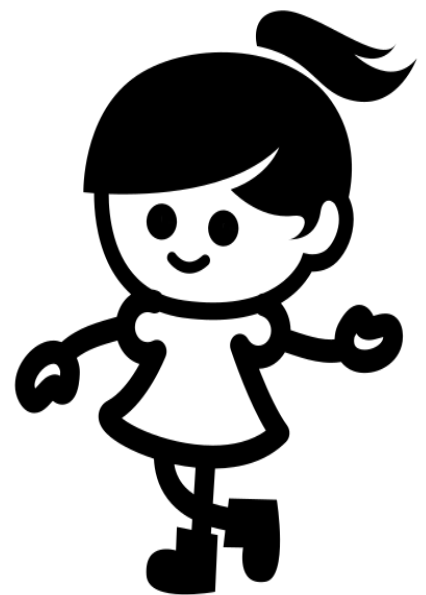
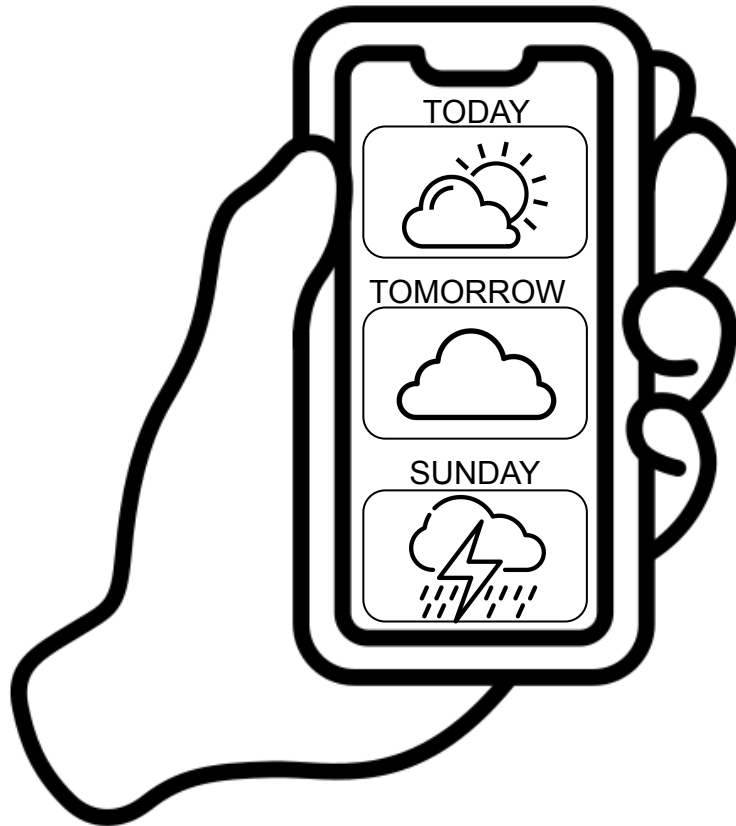


LET'S TALK  
ABOUT  
CLIMATE CHANGE

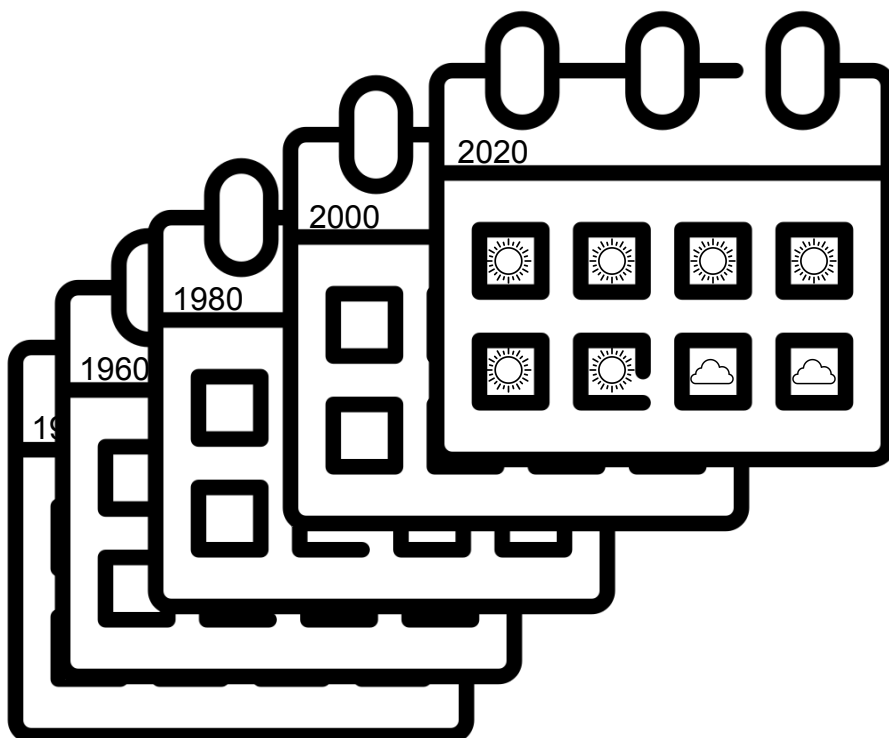


# WHAT IS CLIMATE?

TIP: IT'S NOT THE SAME AS THE WEATHER



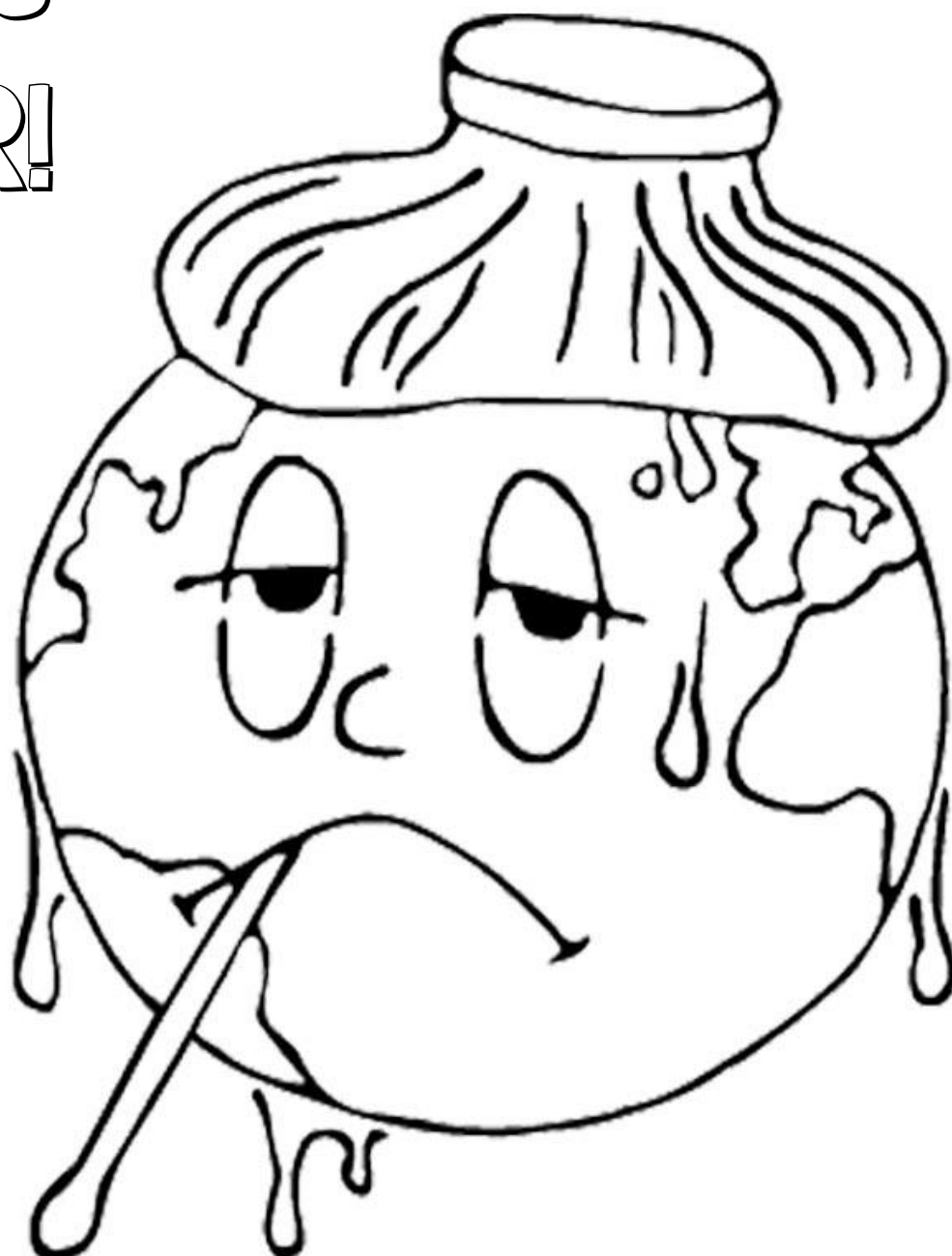
THE WEATHER MAY CHANGE EVERYDAY



THE CLIMATE IS THE WEATHER PATTERN OF A PLACE OVER A LONG PERIOD OF TIME.

# THE PLANET IS GETTING WARMER!

IT'S LIKE EARTH IS  
HAVING A FEVER!



EARTH IS HOTTER THAN IT HAS EVER BEEN IN  
ONE HUNDRED THOUSAND YEARS.

# HOW DO WE KNOW CLIMATE CHANGE IS HAPPENING?

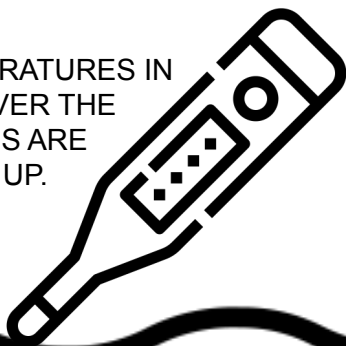
SCIENTISTS HAVE BEEN MEASURING TEMPERATURES AROUND THE WORLD.



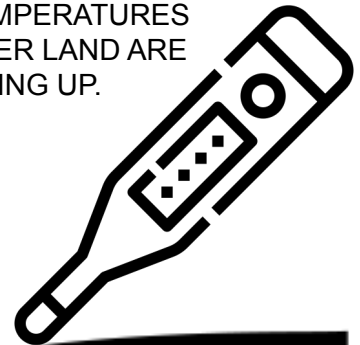
AIR TEMPERATURES ARE GOING UP.



TEMPERATURES IN AND OVER THE OCEANS ARE GOING UP.



TEMPERATURES OVER LAND ARE GOING UP.



REMEMBER: TEMPERATURE IS A MEASURE OF HOW HOT OR COLD SOMETHING IS. THE HIGHEST THE TEMPERATURE, THE HOTTER IT IS.

# WHY IS CLIMATE CHANGE HAPPENING?

BECAUSE OF INCREASING GREENHOUSE GASES IN THE ATMOSPHERE.

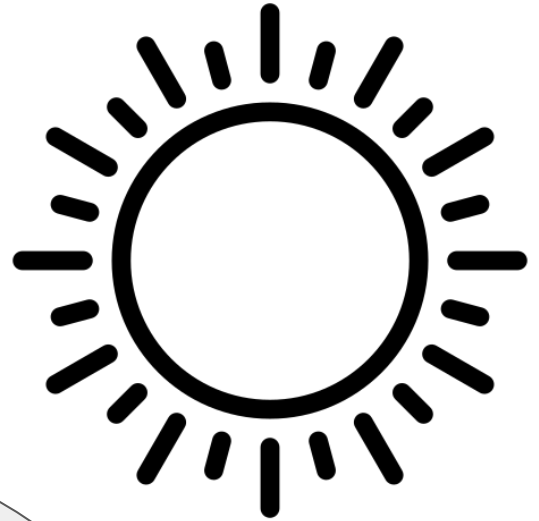
## WHAT ARE GREENHOUSE GASES?



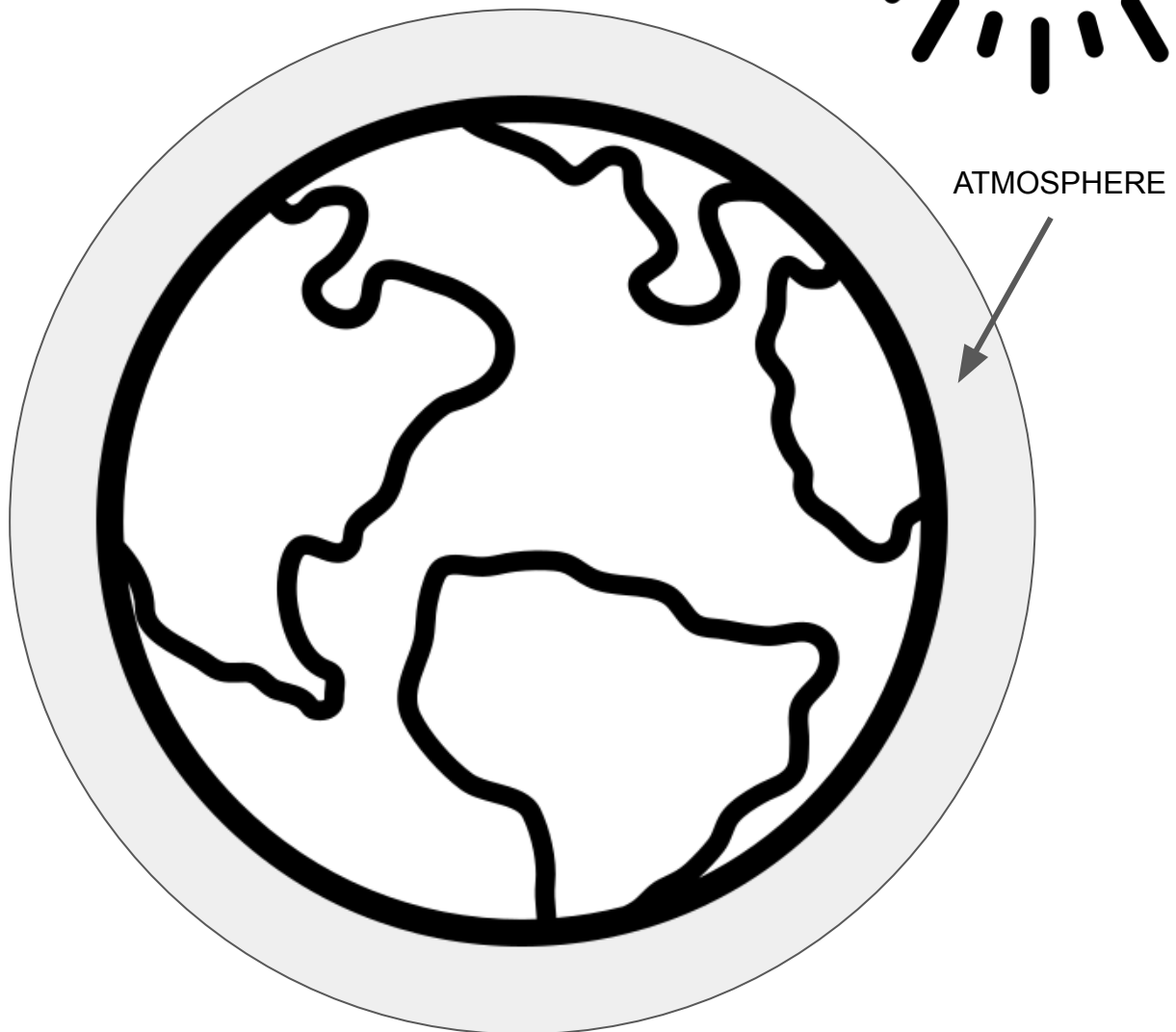
GREENHOUSE GASES ARE GASES PRODUCED BY NATURE AND BY HUMAN ACTIVITIES THAT GO UP TO THE ATMOSPHERE.

# HOW DO GREENHOUSE GASES WARM THE PLANET?

GREENHOUSE GASES  
TRAP HEAT FROM  
THE SUN.



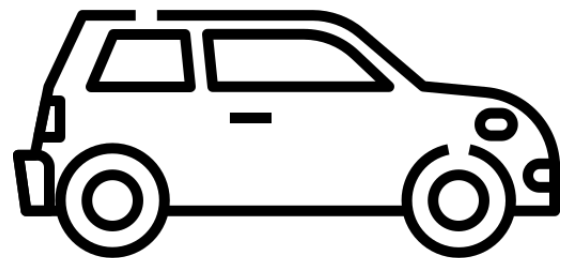
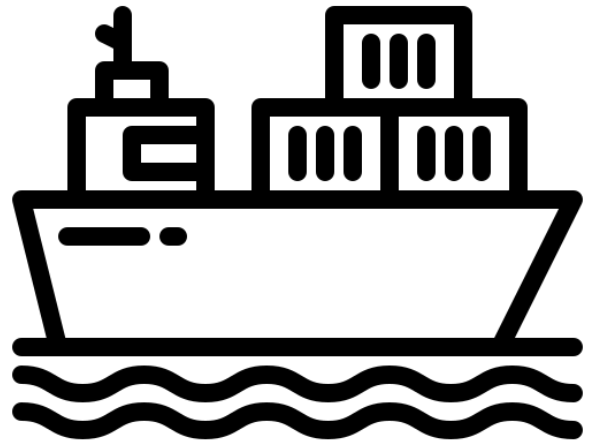
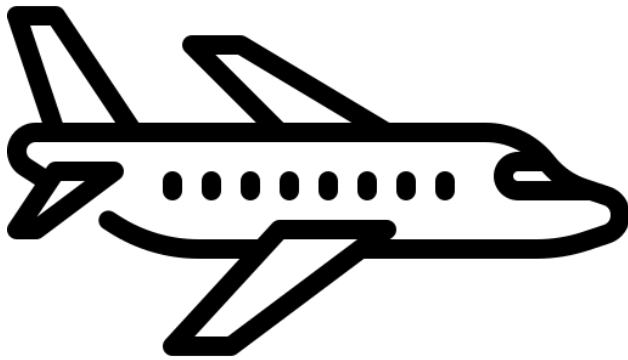
IT'S LIKE HAVING A BLANKET  
AROUND THE EARTH KEEPING  
US WARM AND COMFY!



THE PROBLEM IS THAT TOO MUCH GREENHOUSE GASES MEANS MORE HEAT IS  
TRAPPED. IT'S LIKE HAVING A THICKER BLANKET... IT GETS TOO HOT!

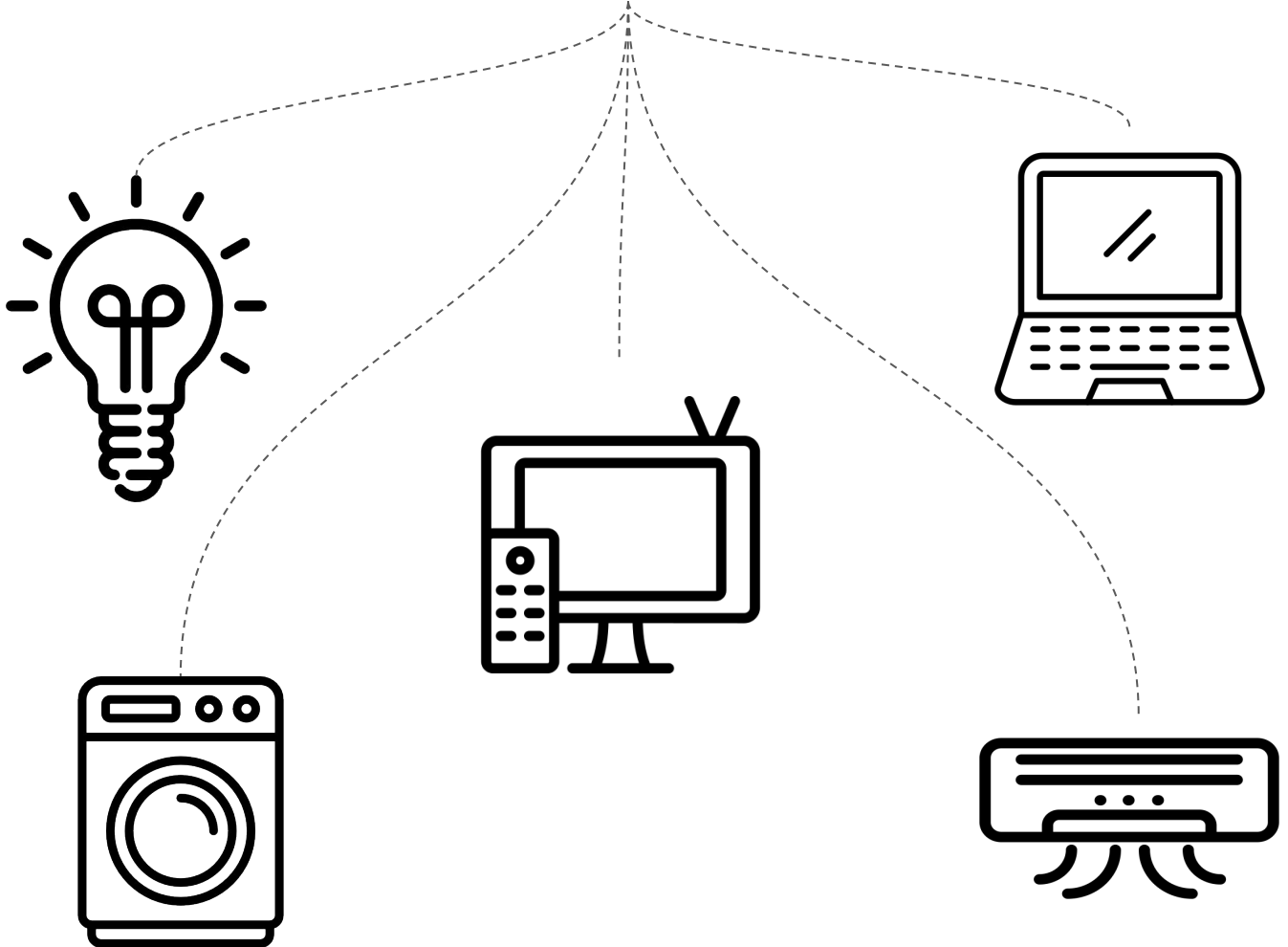
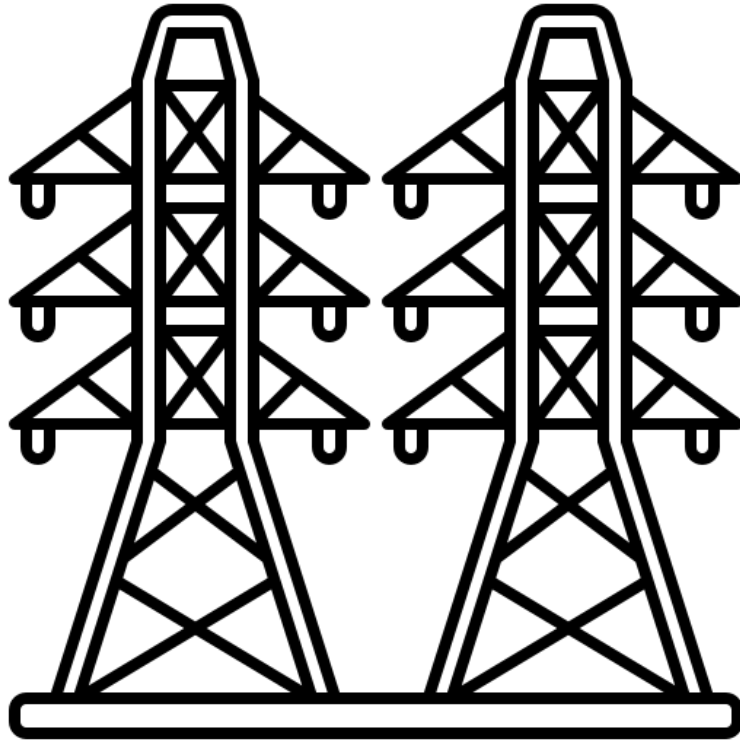
# WHERE DO GREENHOUSE GASES COME FROM?

NATURE PRODUCES GREENHOUSE GASES, BUT MOST OF THE GREENHOUSE GASES THAT ARE MAKING THE PLANET TOO HOT COME FROM HUMAN ACTIVITIES.

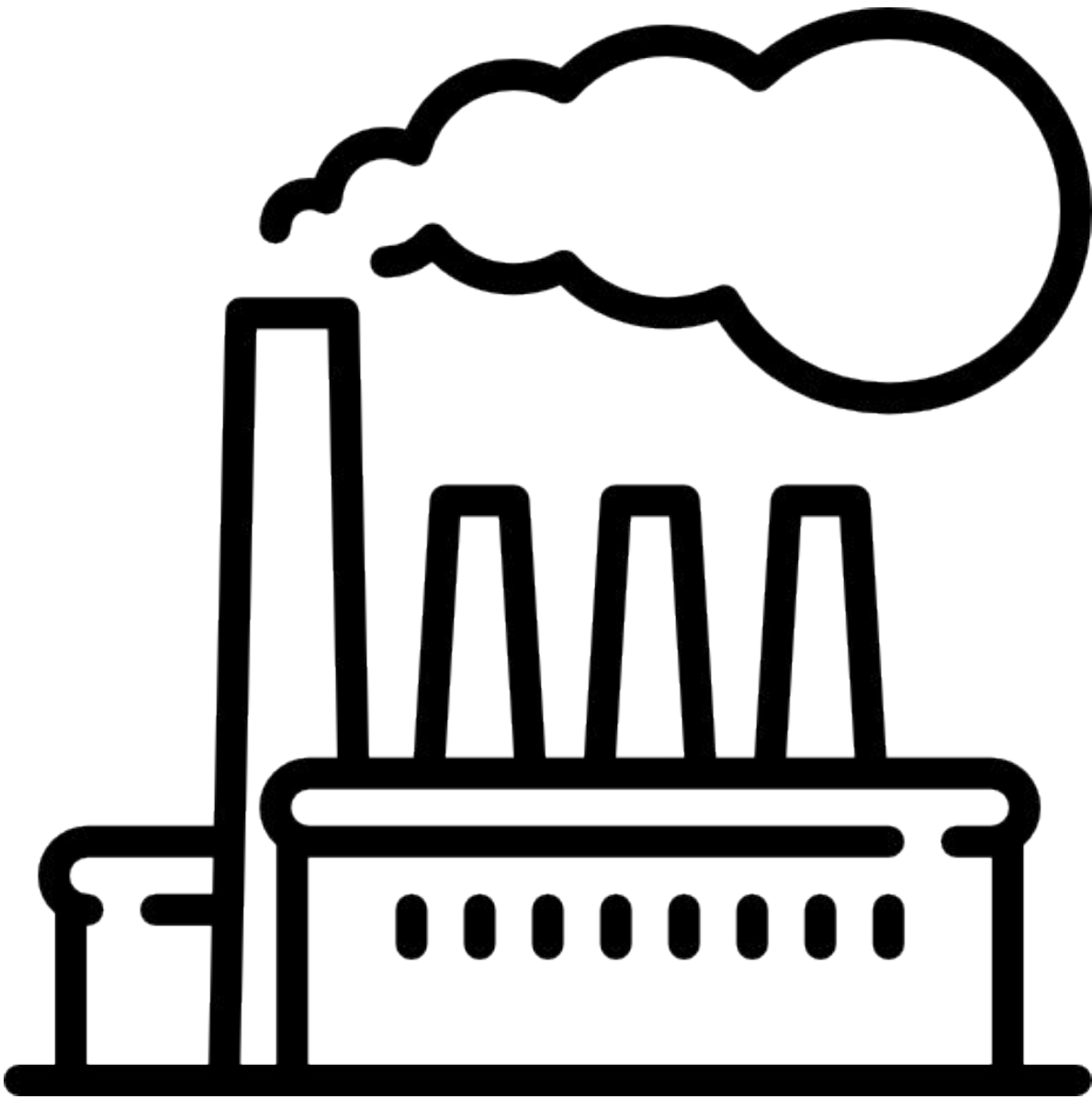


## TRANSPORTATION

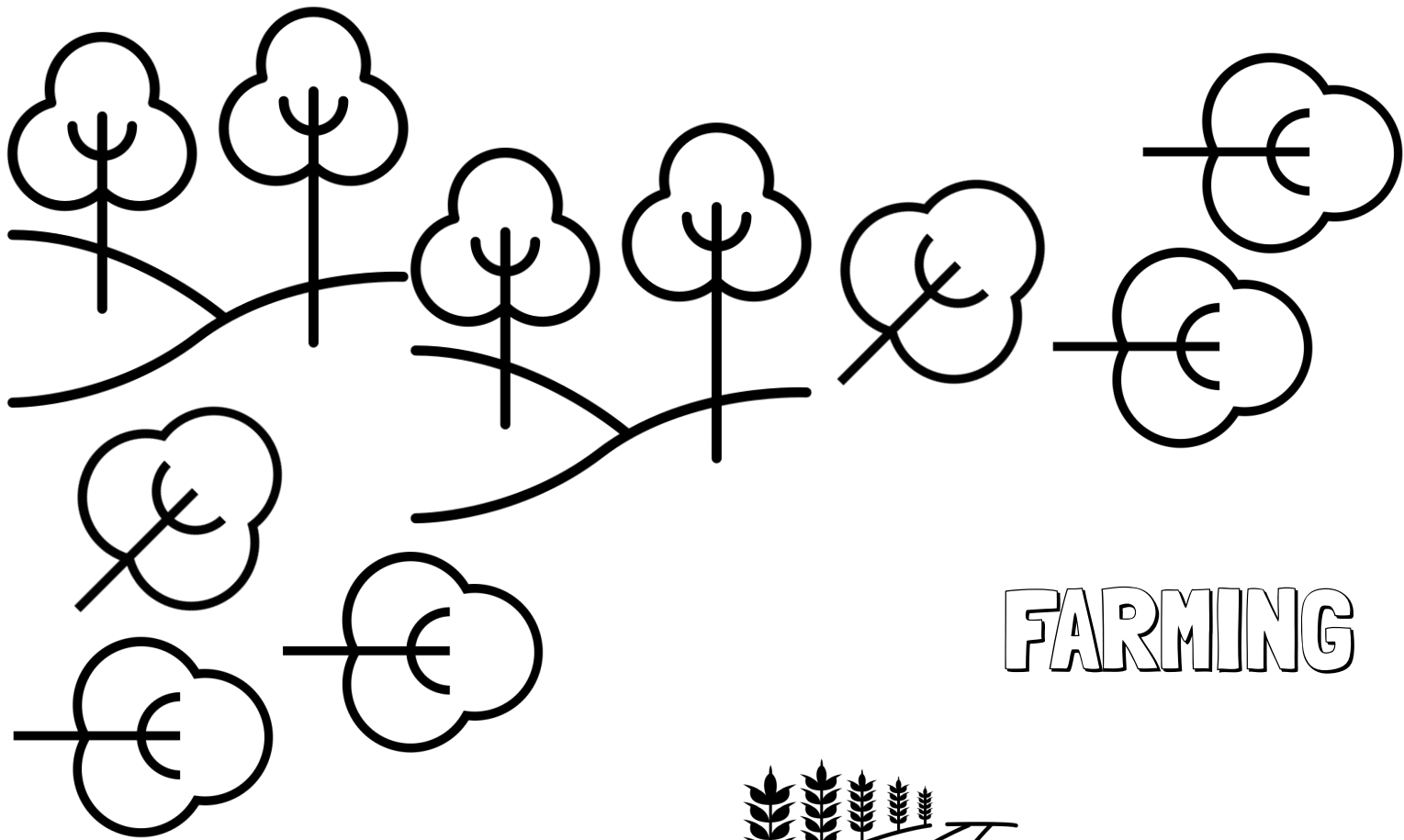
# ELECTRICITY



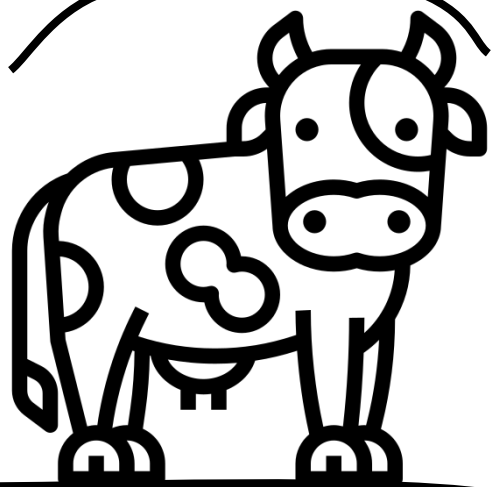
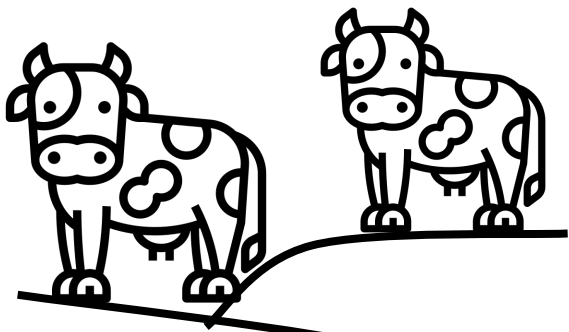




**FACTORIES**



# FARMING

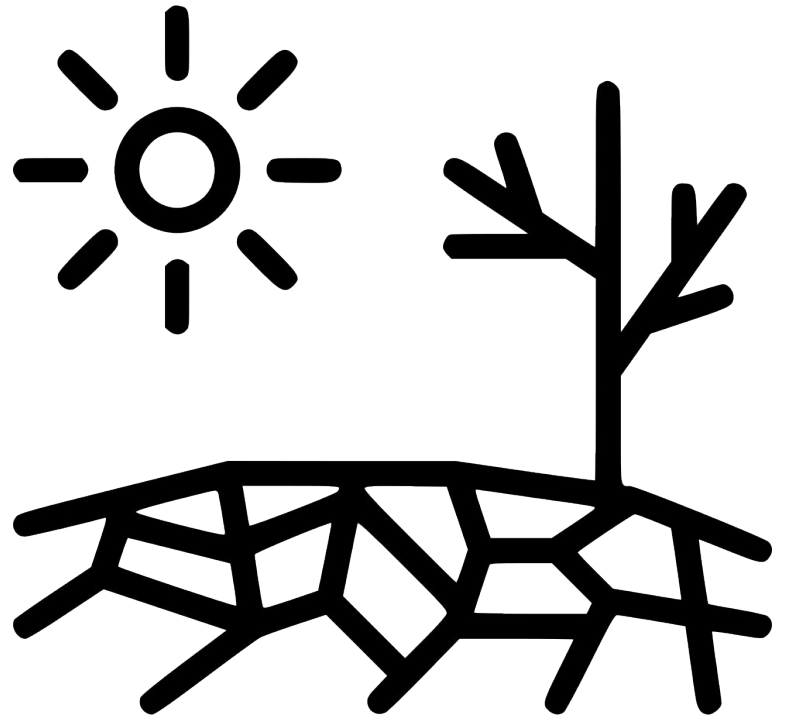


# WHY IS CLIMATE CHANGE

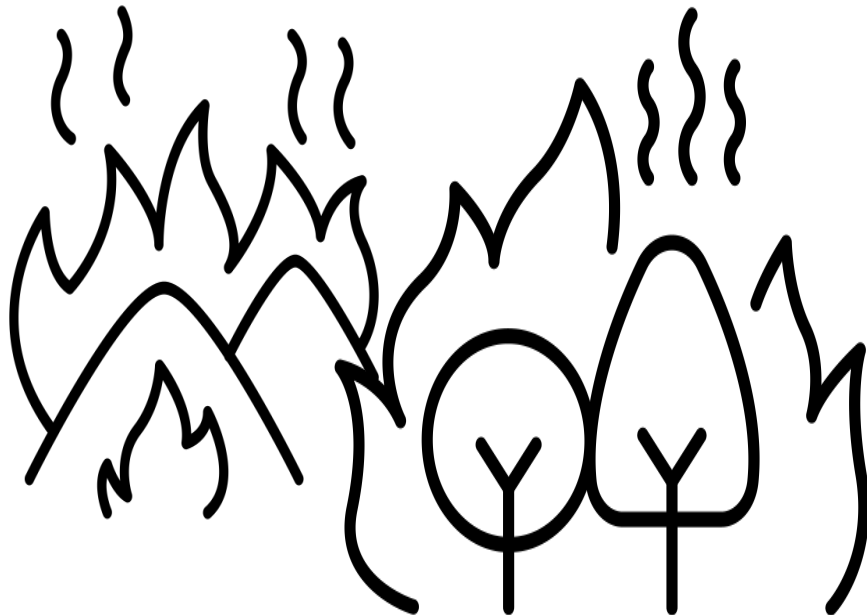
## A PROBLEM?

THESE ARE THE BAD NEWS... BUT DON'T WORRY, WE WILL GET TO THE GOOD NEWS SOON.

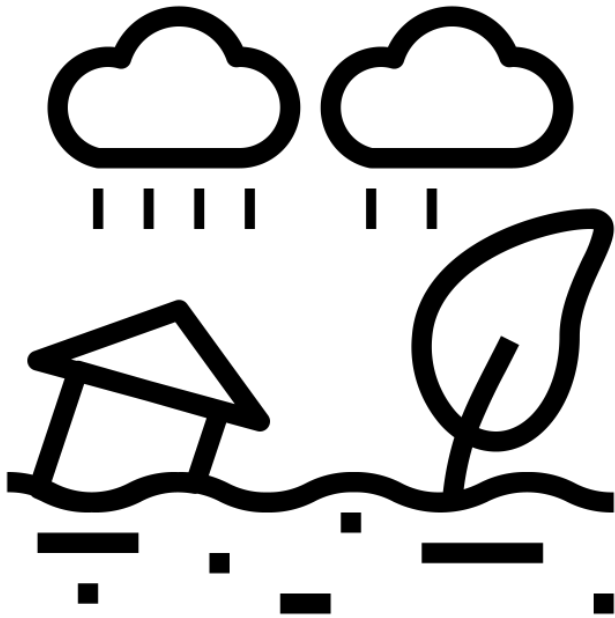
CLIMATE CHANGE CAUSES EXTREME WEATHER EVENTS THAT AFFECT OUR HEALTH, CITIES, ACCESS TO WATER, FOOD PRODUCTION, AND NATURAL HABITATS.



DROUGHTS:  
IT DOESN'T RAIN ENOUGH!

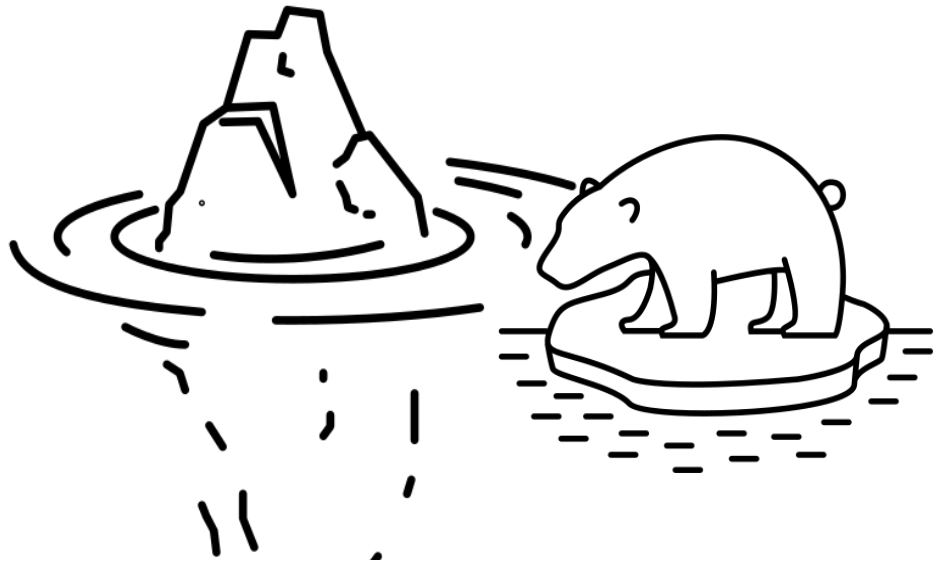


WILDFIRES:  
IT'S TOO DRY!



FLOODING:  
IT RAINS TOO MUCH!

ICE MELTING:  
IT'S TOO HOT!

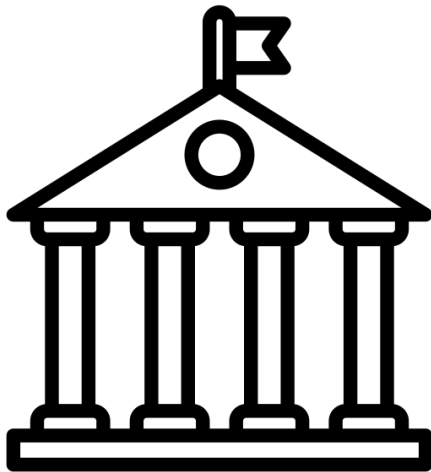
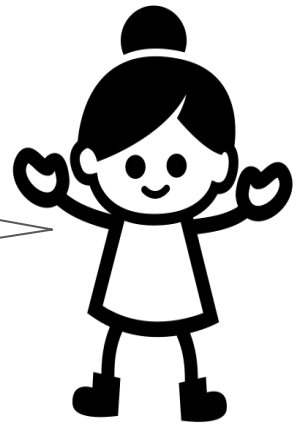


SEA LEVEL RISE:  
THERE IS TOO MUCH WATER  
IN THE OCEAN AND IT IS  
WARMER!

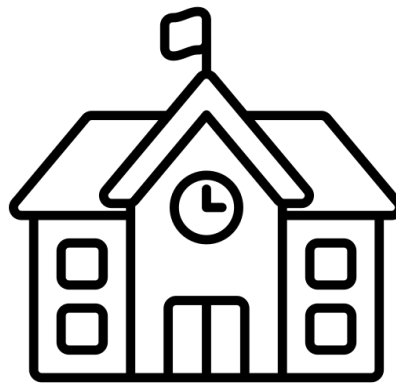
# WHAT CAN WE DO TO ADDRESS CLIMATE CHANGE?

THE GOOD NEWS IS: WE KNOW  
WHAT NEEDS TO BE DONE.

WE NEED TO  
REDUCE THE  
EMISSION OF  
GREENHOUSE  
GASES!

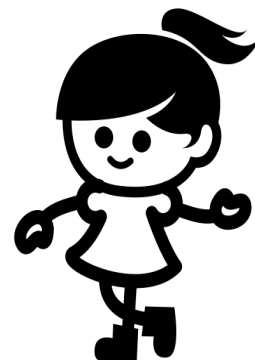
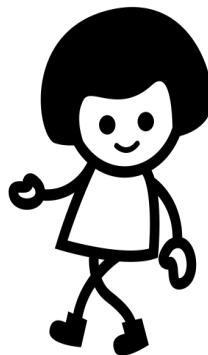
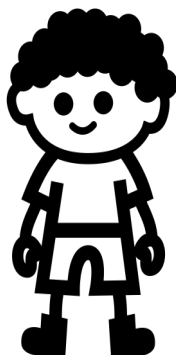
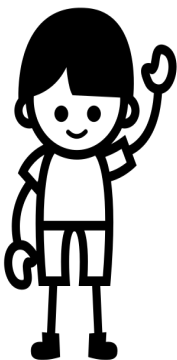


GOVERNMENTS



SCHOOLS

## ALL OF US!

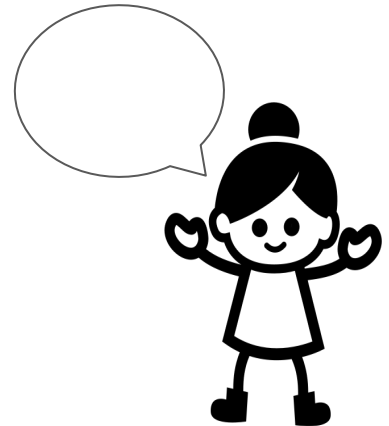


# LET'S MAKE A PLAN!

1.

TELL AT LEAST TWO PEOPLE (ADULTS OR KIDS) ABOUT WHAT YOU LEARNED TODAY!

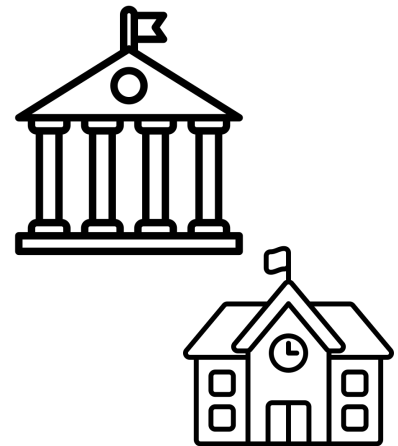
Tell them what climate change is (remember to explain that the planet is getting warmer) and tell them why it is important (remember some of the problems climate change brings), and then explain what they can do to help reduce greenhouse gases (don't forget to tell them to tell others as well).



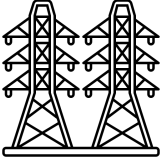
2.

ASK AN ADULT ABOUT HOW YOU COULD TELL YOUR SCHOOL AND THE GOVERNMENT ABOUT THE PROBLEM AND ASK IF THEY ARE DOING THEIR PART.

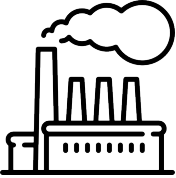
Maybe you can write a letter or send a drawing to your school's principal. Maybe you can ask for help writing a message to the Mayor of your city.



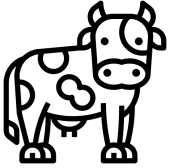
### 3. THINK OF WAYS YOU CAN REDUCE YOUR OWN GREENHOUSE GAS EMISSIONS.



**Think:** How can you reduce your use of electricity use?  
(IDEAS: think about turning off lights, computers, TV when not using them)



**Think:** How can I buy fewer things that require energy to be made and transportation to get to me? (IDEAS: are there things you don't really need, are there things you can borrow instead of buying, are there things you can buy second hand?)



**Think:** How can you choose food that requires less energy, water, and land to be produced, and less transportation to get to you. (IDEAS: think about the fruits and vegetables that you like and the ones you still need to try, ask an adult about where your family can buy food produced nearby, choose one or two days a week to replace meat with another type of protein, e.g. lentils, beans, tofu, veggie patties).



### 4. TREES HAVE SUPER POWERS: THEY CAPTURE THE MOST ABUNDANT GREENHOUSE GAS: CARBON DIOXIDE. CAN YOU HELP PLANT SOME TREES?

Does your family or someone you know have land where you could plant some trees? If not, you can talk to your parents about sending money to organizations that plant trees (for example, you can send just \$1 to help plant one tree on a National Forest).

