

Climate change

The climate across the world has changed naturally over thousands and millions of years. In the past, the UK has experienced both freezing **ice ages** and warm **tropical** climates.

Today however, because people have been burning **fossil fuels** to power homes, factories and vehicles, more **carbon dioxide** has entered the Earth's atmosphere.

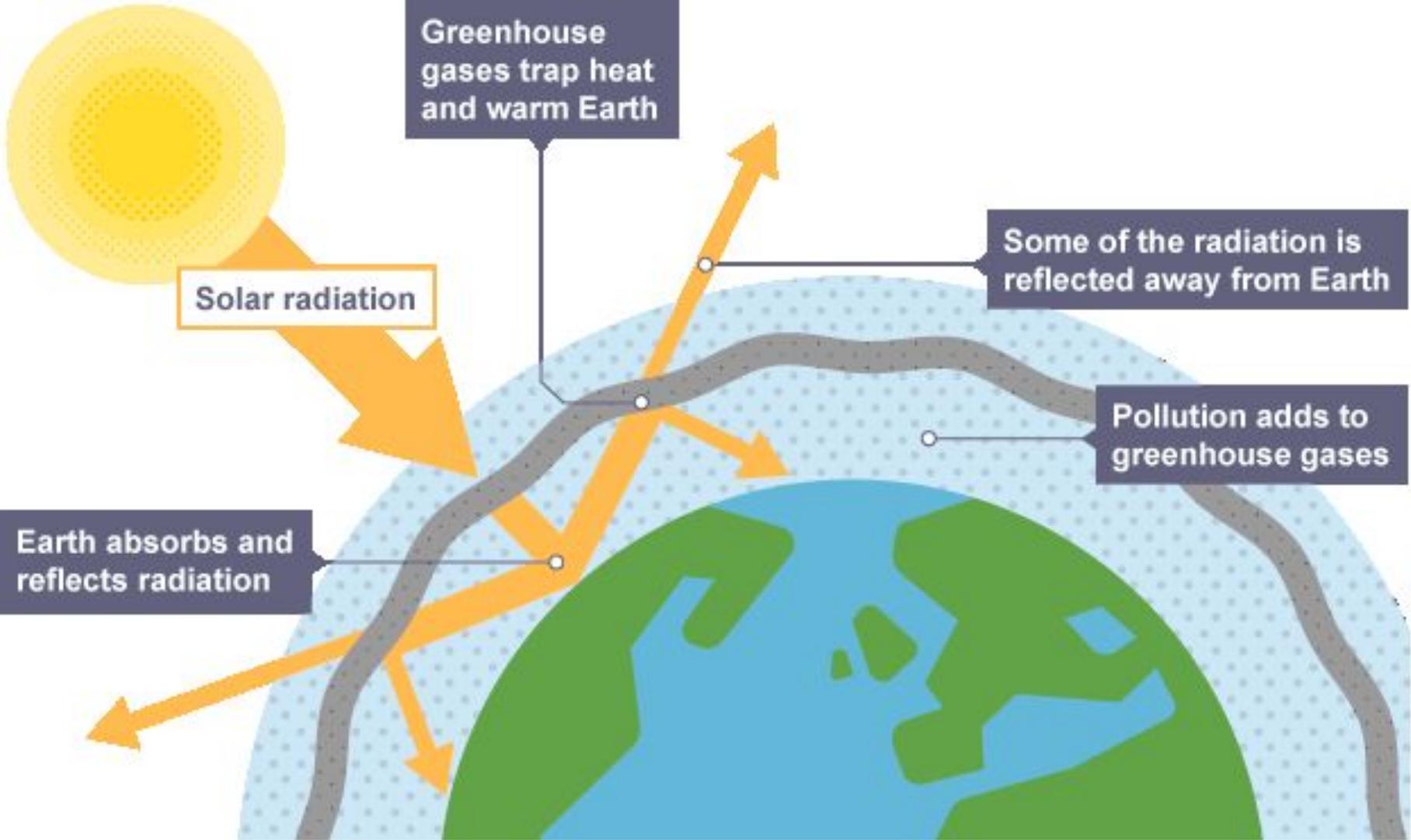
Carbon dioxide acts like a **greenhouse**. It lets the sun's rays through to heat up everything inside the atmosphere, but stops the heat from escaping. This is making our planet warm faster than it naturally would and is causing world climates to change.

<https://www.bbc.co.uk/teach/school-radio/assemblies-ks1-ks2-climate-change-global-warming/zbqxjsg>

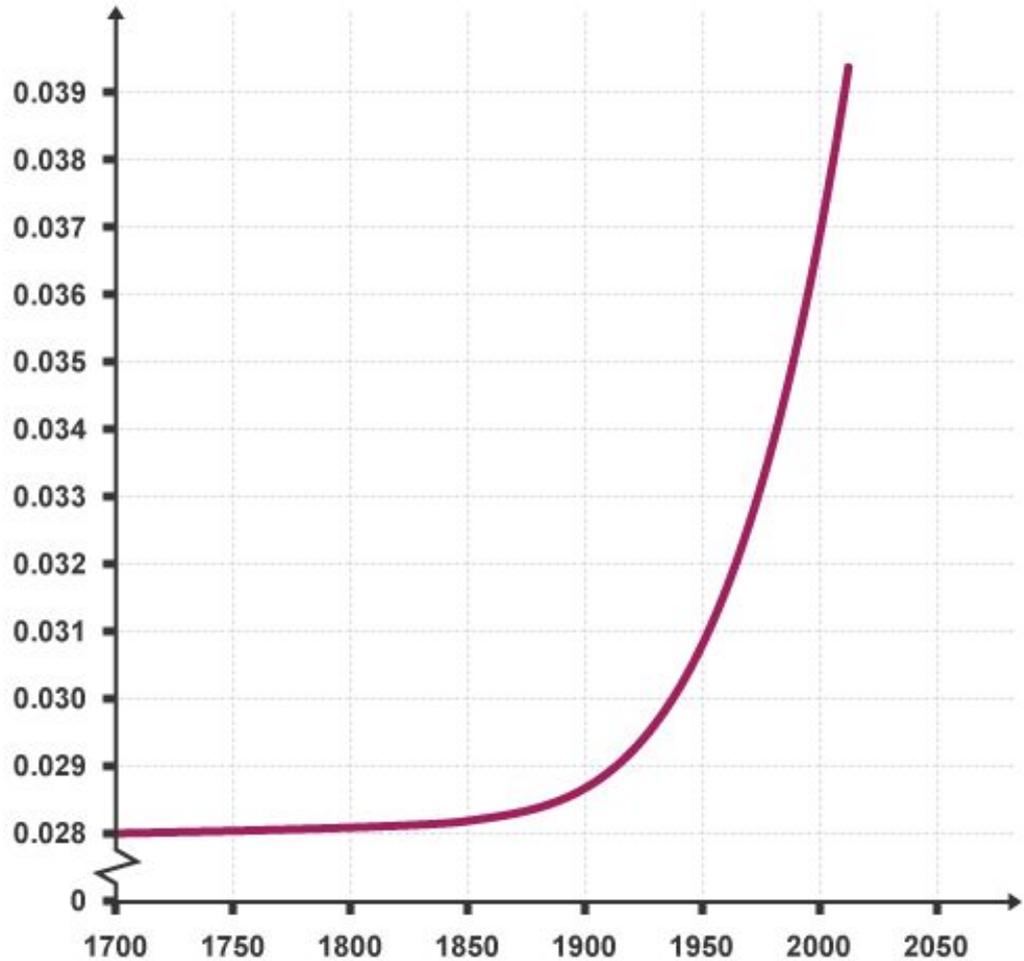
Scientists say many of the changes to the Earth's climate are caused by human activity - this means things that humans are doing.

Some of those things are:

- **Burning of oil, coal and gas** - These resources are called fossil fuels - they are used to power factories, buildings and transportation. When burnt they release substances into the atmosphere, including a gas called carbon dioxide, which trap heat from the sun and warm up the Earth. This is called the greenhouse effect.
- **Waste** - The way waste is disposed of often adds to these harmful emissions. Even food waste creates another greenhouse gas called methane when it rots.
- **Deforestation and urbanization** - Urbanisation is when more people start living in cities, and deforestation is when a forest or tree-covered area is turned into something else (for example a farm or space for houses). Trees help us by absorbing carbon dioxide - but they release it back into the air again when they are cut down.
- **Population growth** - This means the growing number of people in the world. Did you know in 1960 there were only 3 billion people in the world, whereas there are currently more than 7 billion people who all need food to eat and places to live!

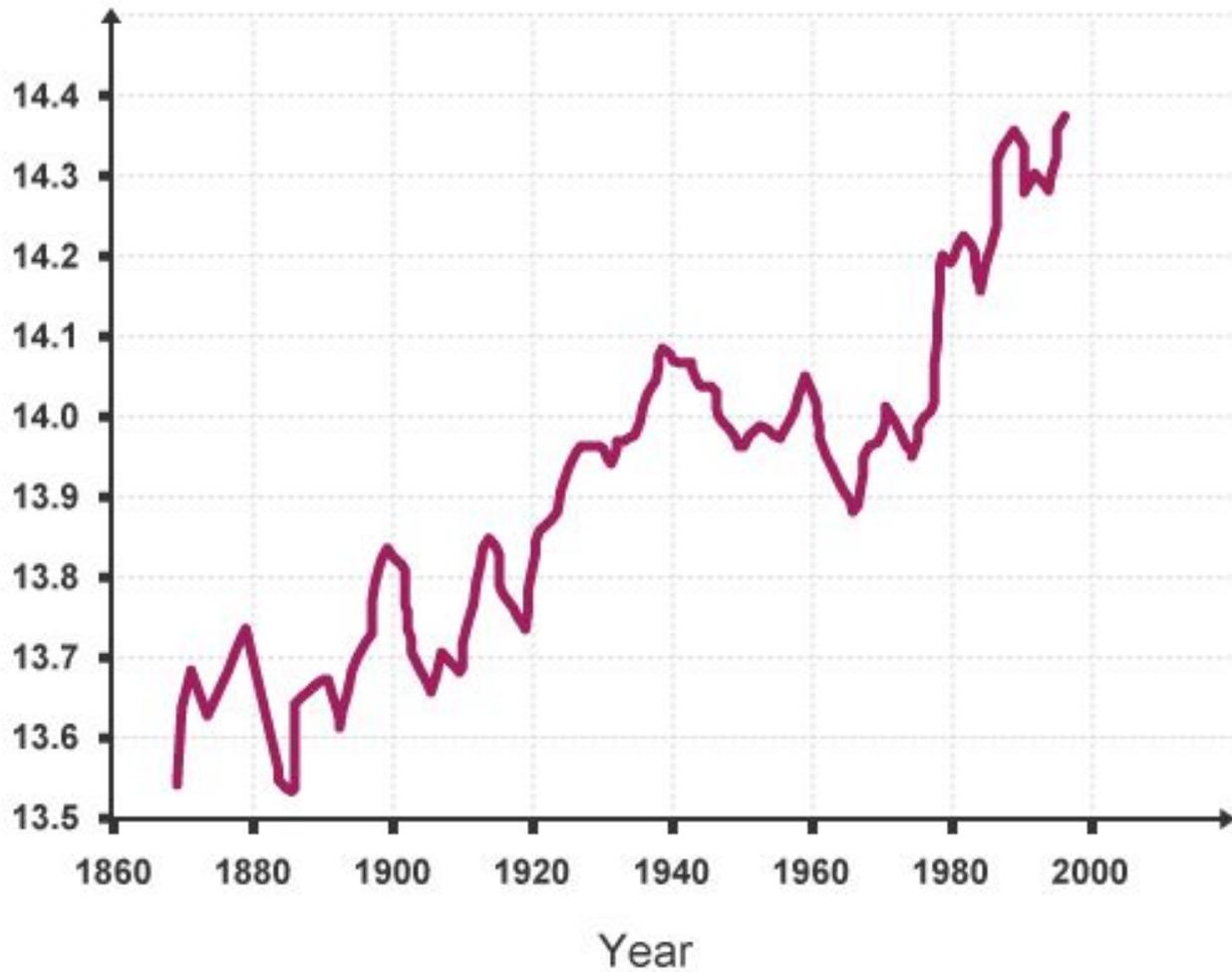


Percentage of CO₂ in atmosphere



Year

Global average temperature ($^{\circ}\text{C}$) – 5 year average



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UK already undergoing disruptive climate change

By Roger Harrabin
BBC environment analyst

 29 July |  Comments

<https://www.bbc.co.uk/news/science-environment-57988023>



Our Planet Now



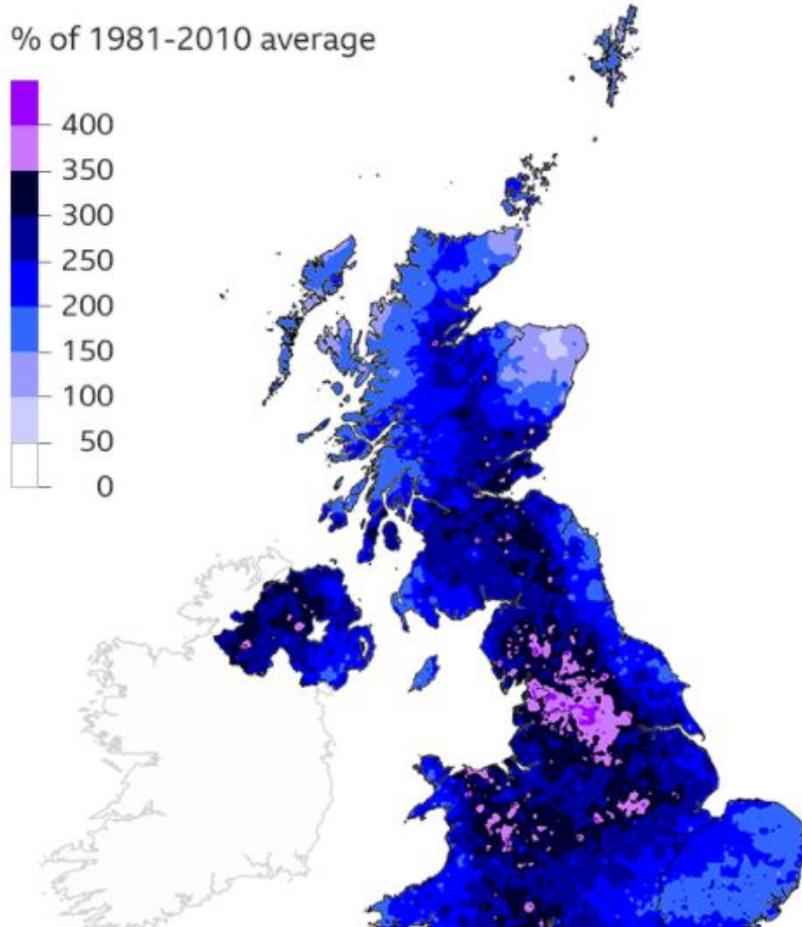


The experts said that, in the space of 30 years, the UK has become 0.9C warmer and 6% wetter.

The report says the UK has become hotter, sunnier and rainier:

- 2020 was the third warmest UK year since 1884; all the years in the top 10 are since 2002
- Last year was one of the least snowy on record; any snow mainly affected upland and northern areas
- Spring 2020 was the UK's sunniest on record, and sunnier than most UK summers.
- 2020 was the UK's fifth wettest year; six of the 10 wettest years have been since 1998

Higher than average rainfall in February 2020

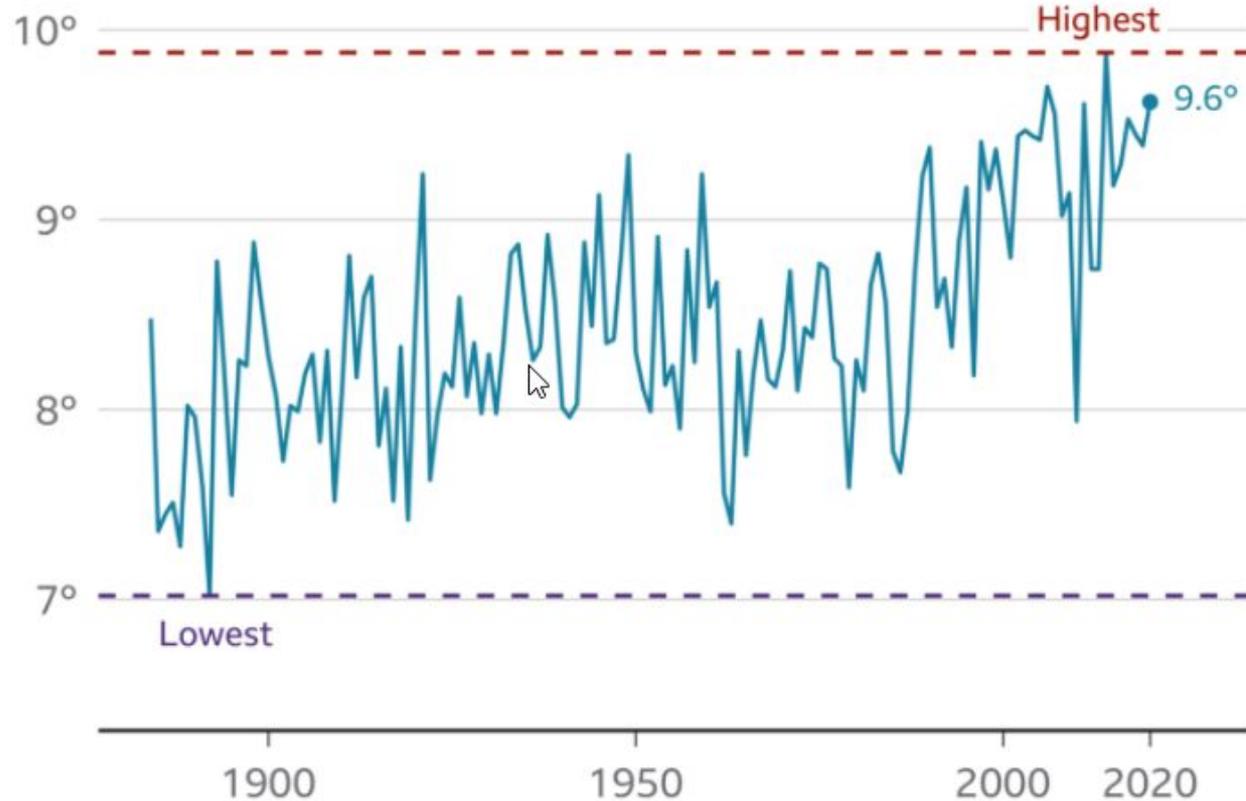


The report also said that, while substantial snow fell in 2018, 2013, 2010 and 2009, the number and severity of such weather events have declined since the 1960s.

Sir James Bevan, the head of the Environment Agency, said there were more than five million homes at risk of flooding in England - and "that risk is rising as the climate changes".

Temperatures in 2020 close to highest ever

Mean temperature in the UK 1884-2020 (°C)



“In the UK,” she said, “we are likely to see temperatures of 40C. As we get 1.5C warming, that’ll be something we see on a regular basis.”

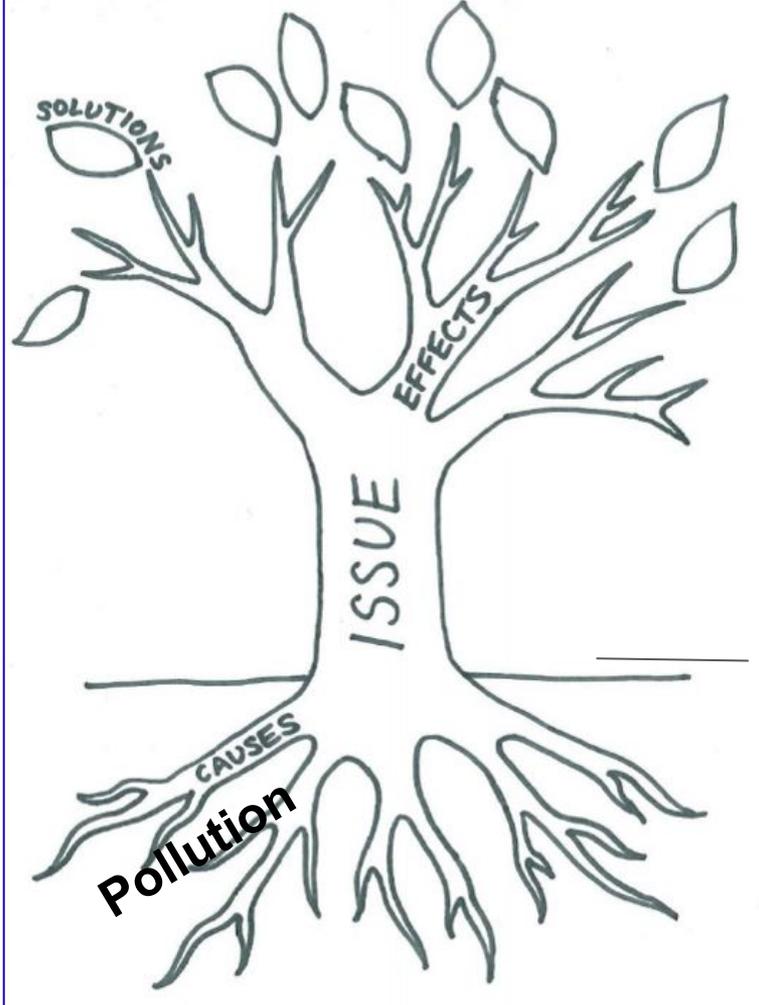
“We had **roads melting last year, rails start to buckle, electric cabling starts to buckle.** We often say we’d like a climate like the Med, but people were soon complaining they were **too hot** - not just in the day but **especially at night.**”





George

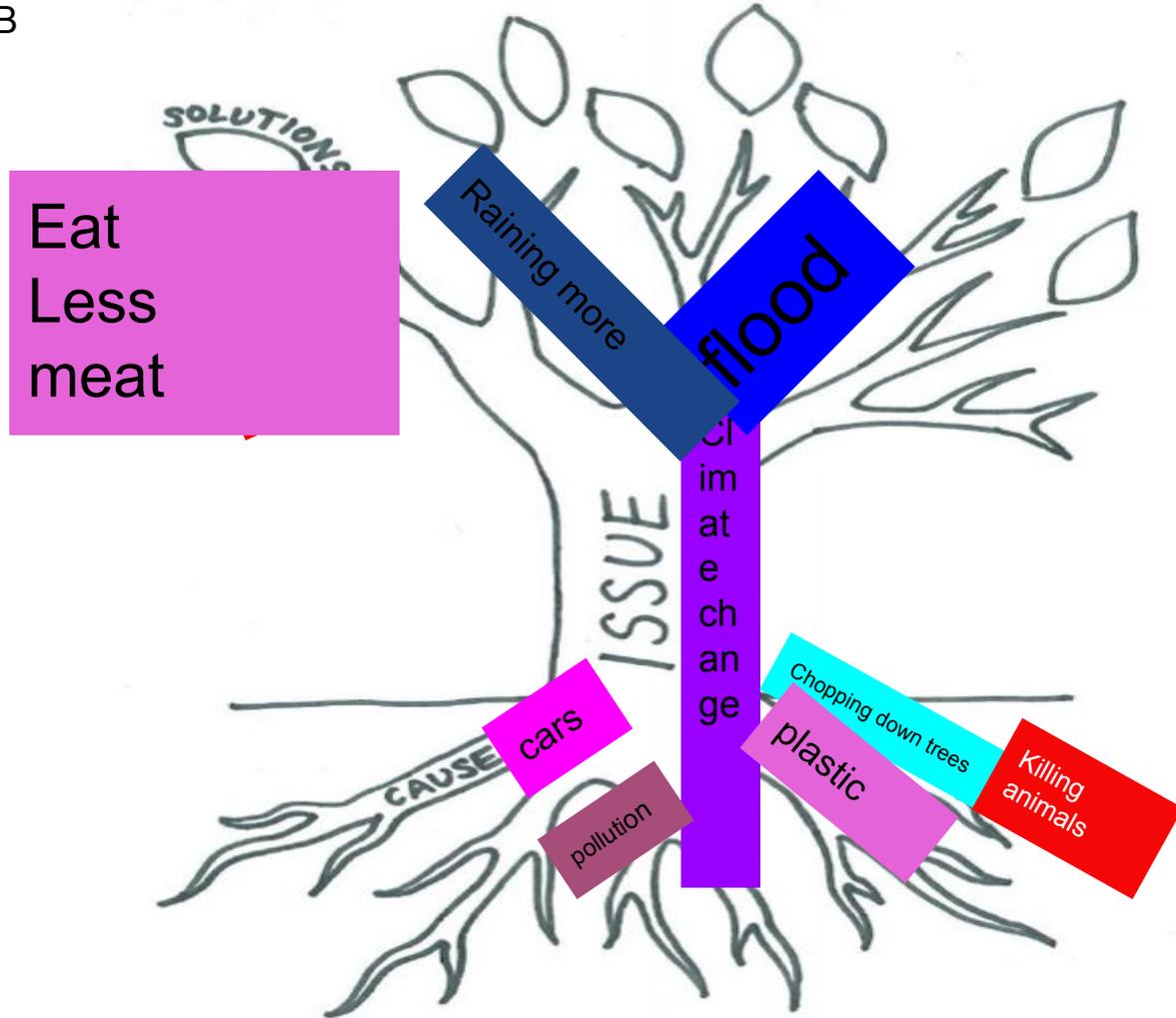
Stop chopping down trees.



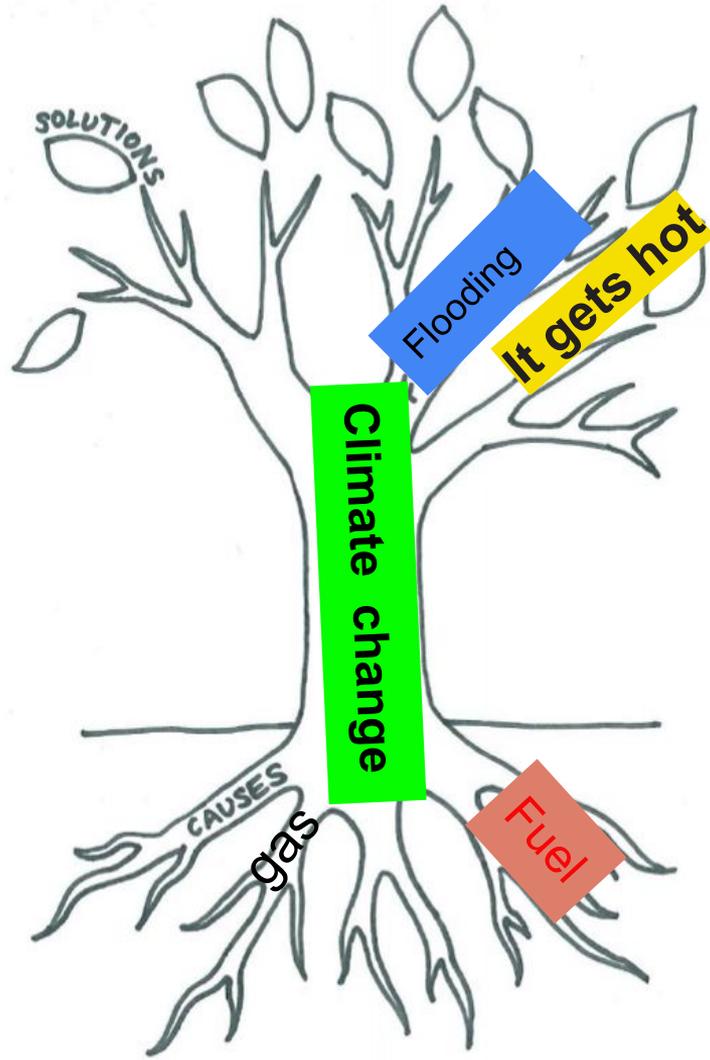
Walk to places instead of driving

etting

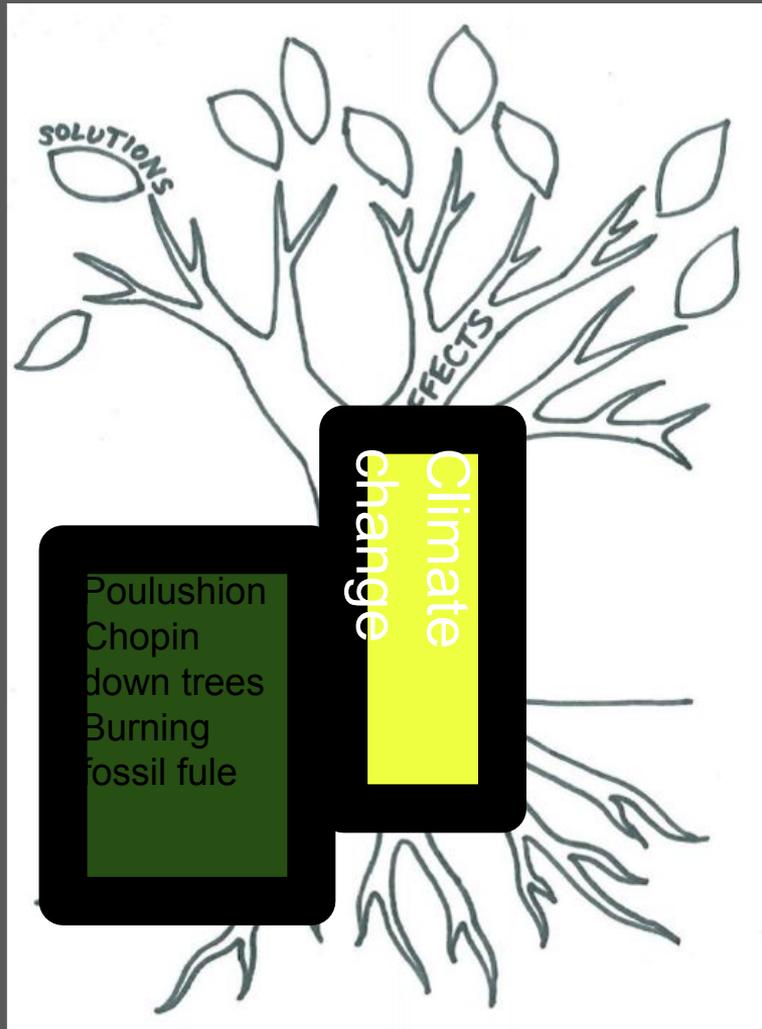
Imogen B



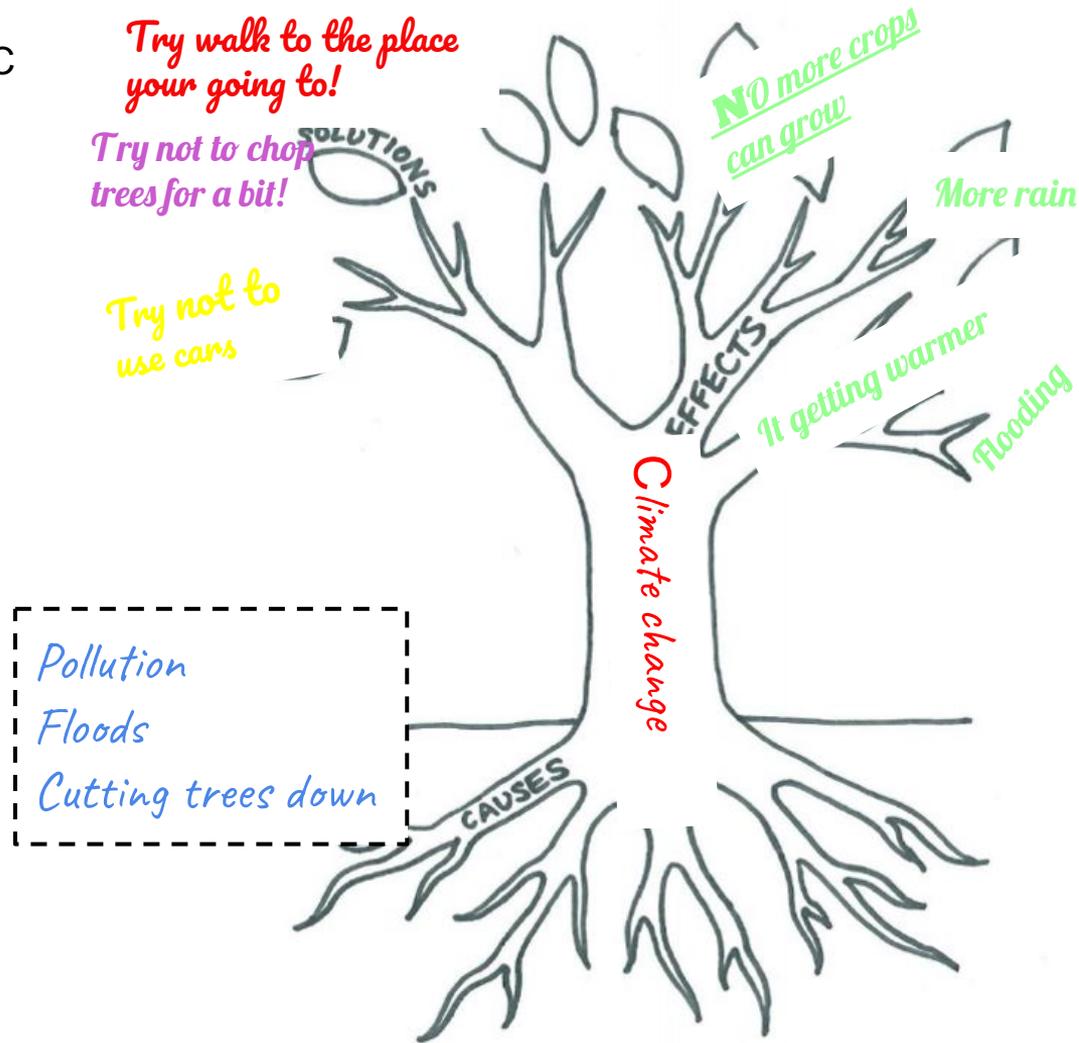
Euan



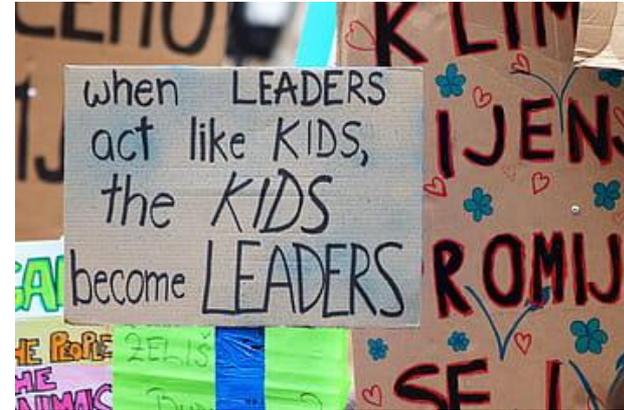
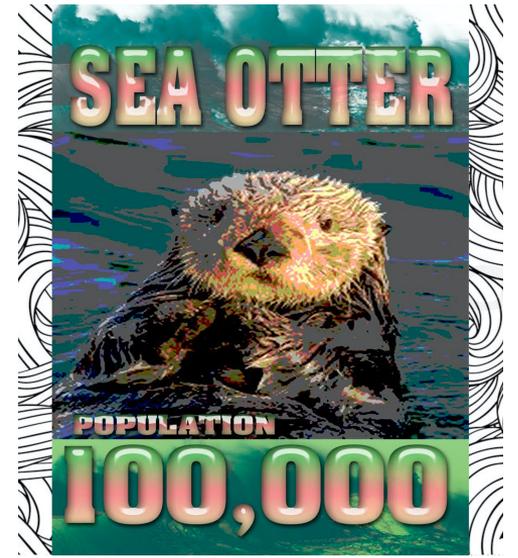
Tommy



Willow C



Ben



Lola



Don't go on a screen as much i mean yes you can use it but ,maybe use ti for like 20 mins

Try not to use cars

Don't chop trees down as much

Don't use as much electricity

Re- use plastic

Earthquakes

floods

Bush fires

Tornados

The world getting hotter

Climate change



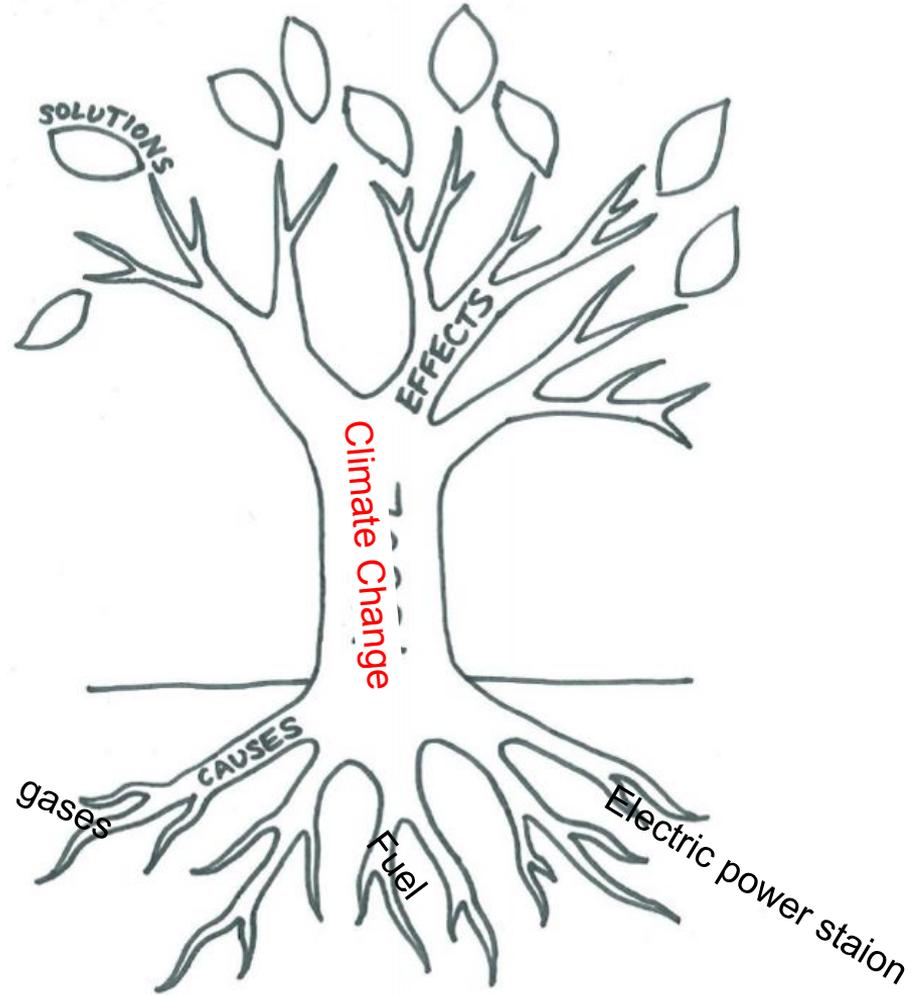
CLIMATE CHANGE
Climate change is making the world hotter and if you think there is another earth well there isn't so this one get's destroyed then we would have nowhere to go and PLEASE LOOK AFTER THE PLANET



pollution making animals into meat Chopping good trees

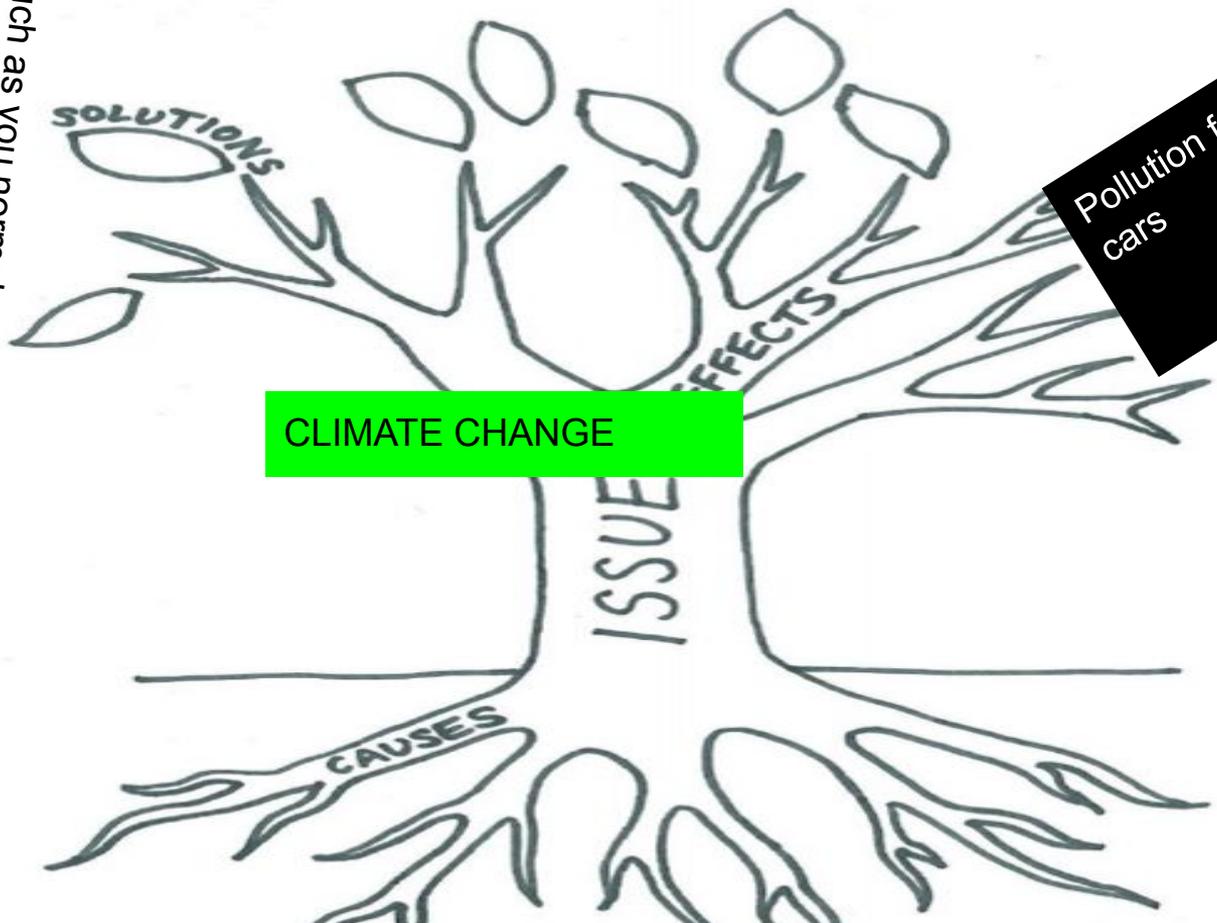
Finlay

g44



ax) !!!

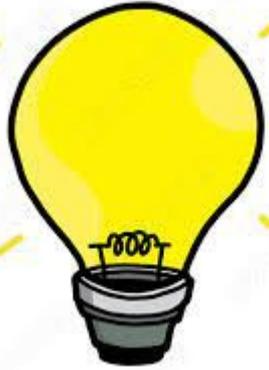
rive as much as you normally do



CLIMATE CHANGE

Pollution from cars

BY Eliza



- *Walk not drive
- *Turn the lights off when not needed
- *Stop chopping trees down
- *Don't eat as much meat
- *Don't use lots of electricity.



*Pollution

*Deforestation

*Driving cars



- *The worlds getting warmer
- *It's raining More
- *Too much co2
- *Not enough oxygen

Climate Change

CAUSES

*Use less electricity

*Stop killing lots of animals



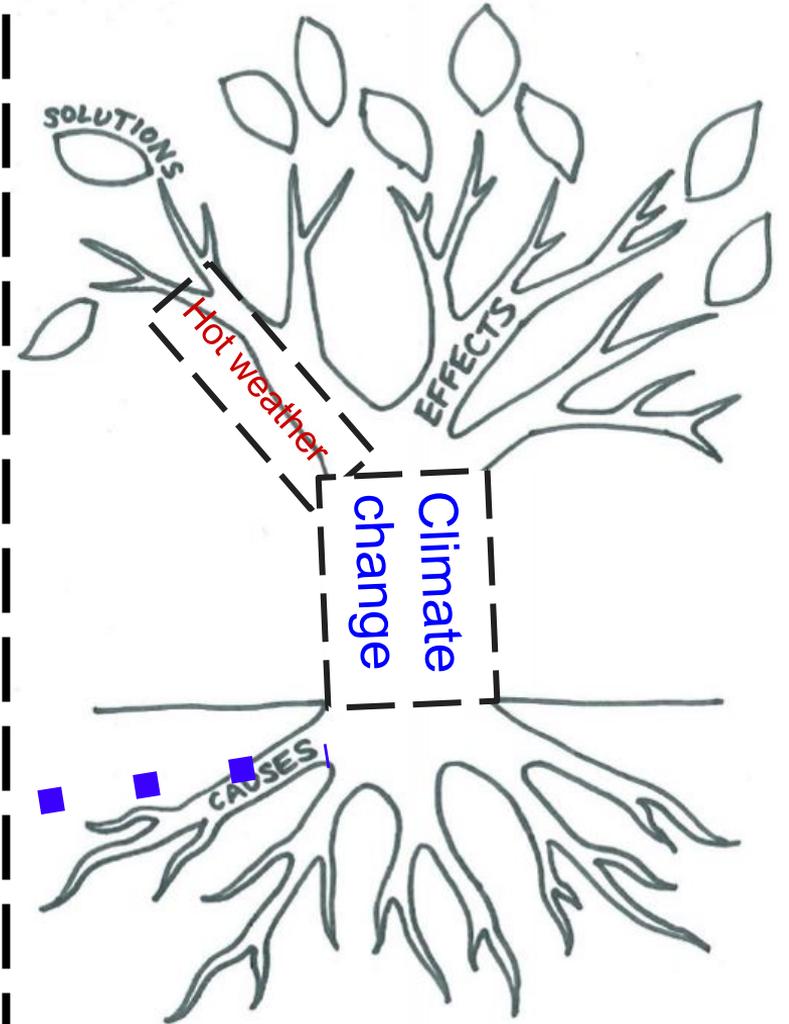
Ralph

- *have a bike ride where you go
- *try walking to places
- *ues a no petrol car

EARTH



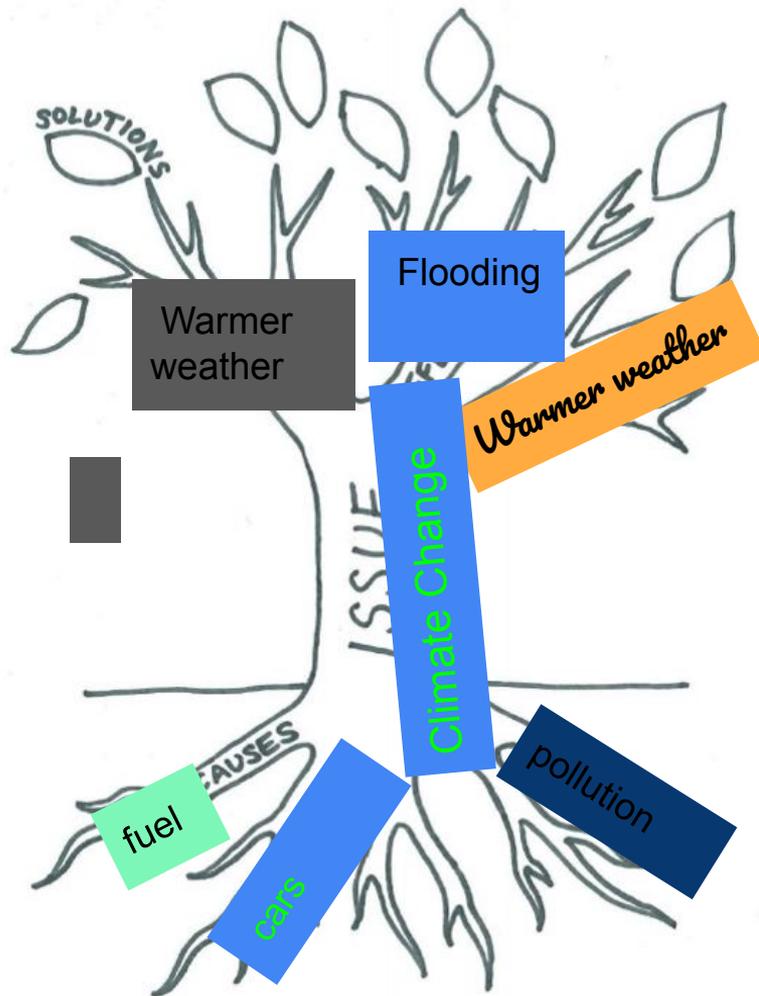
- *more rain
- *hot weather
- *the sea will rise
- *there will be less ice



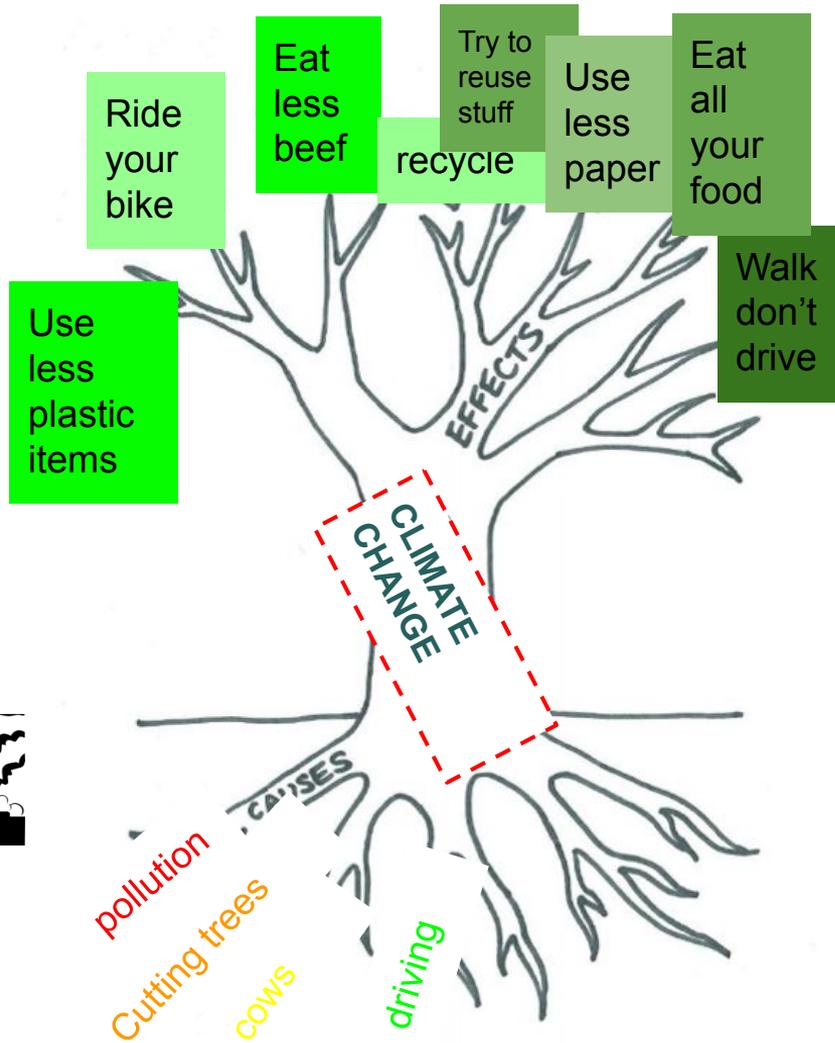
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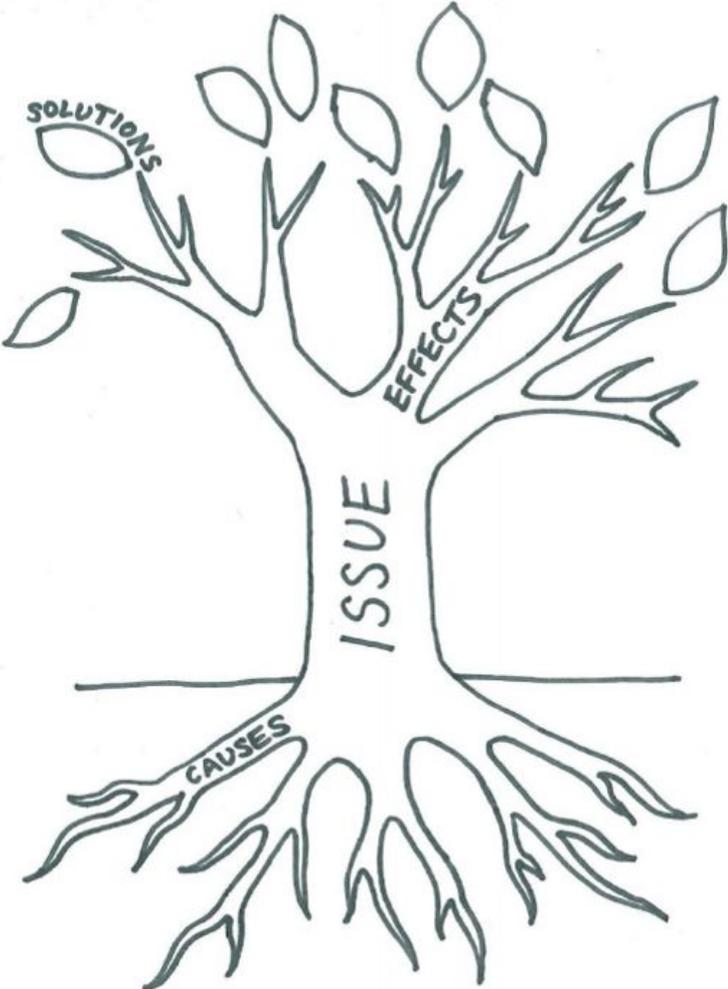
walk

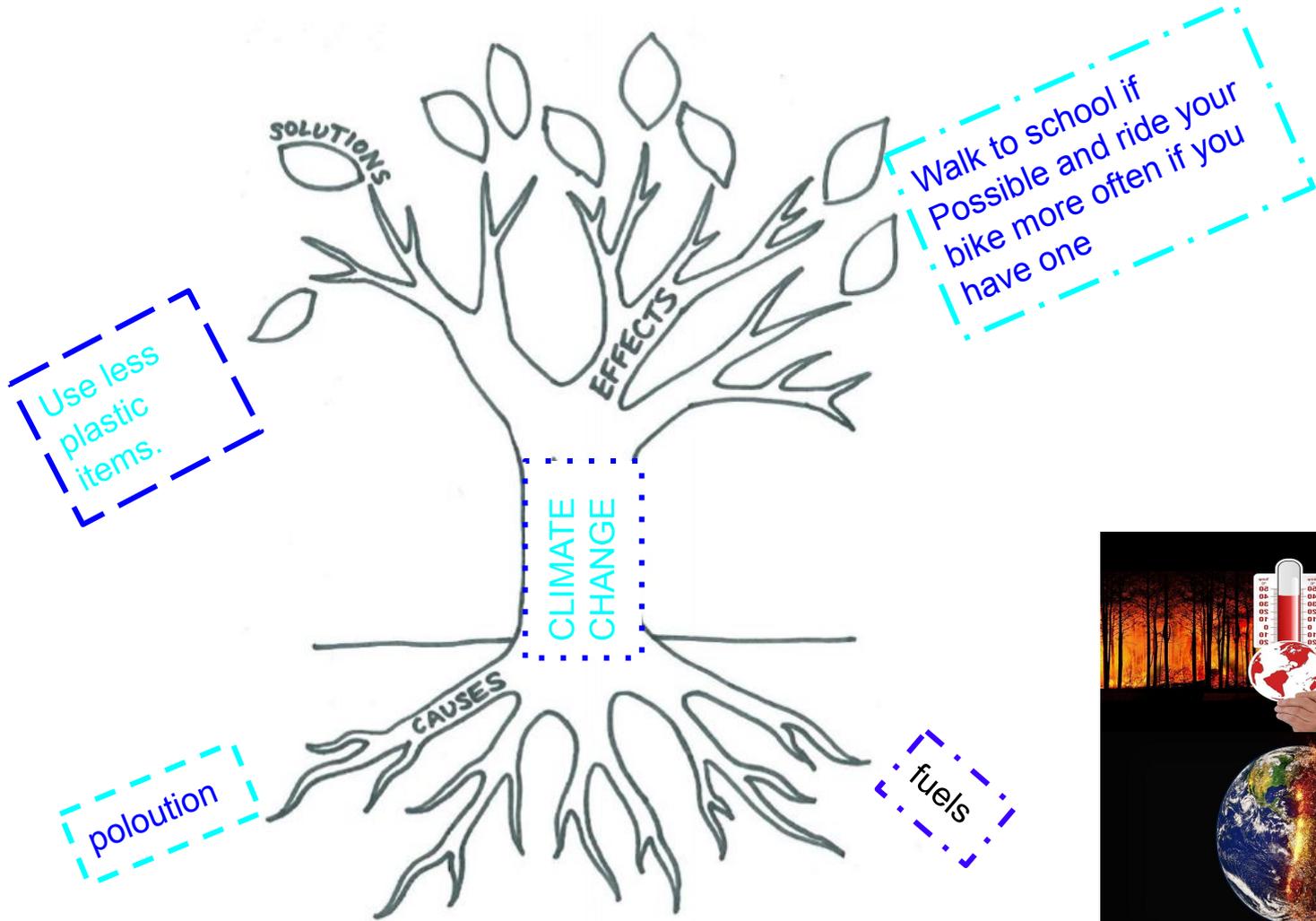


Willow

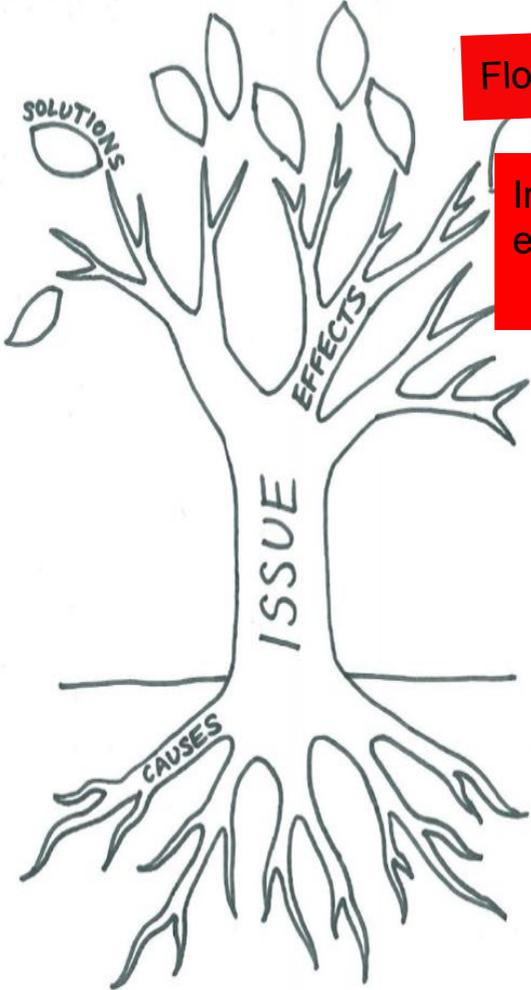


Emma





louie kellett



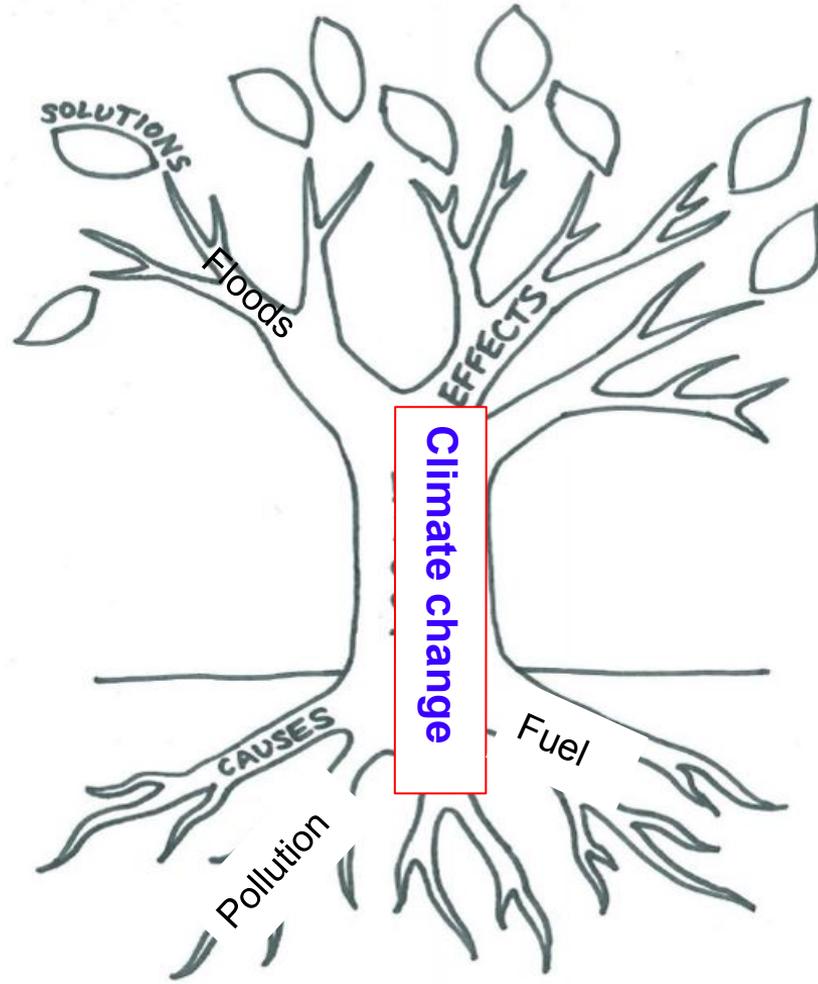
Flood water on street

Impact on economy

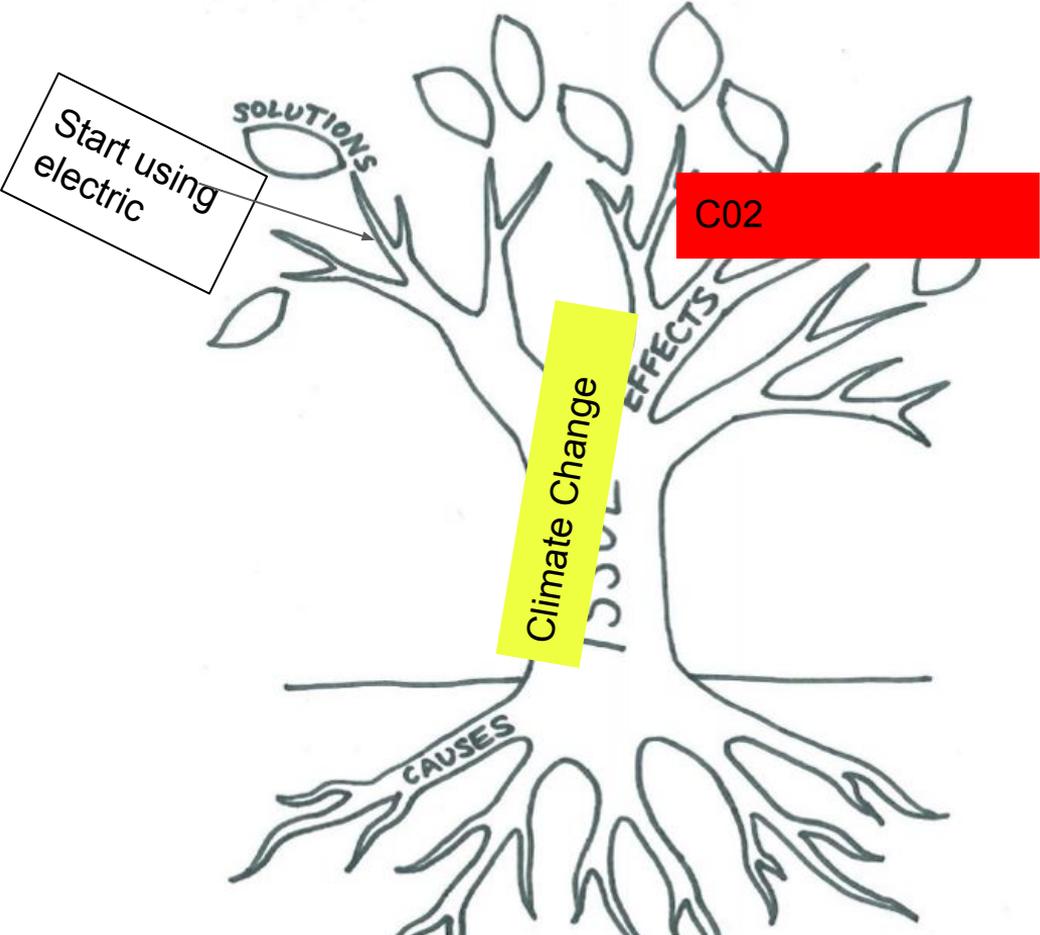
Skipping school cause a disaster might happen



Sam



Archie mellor

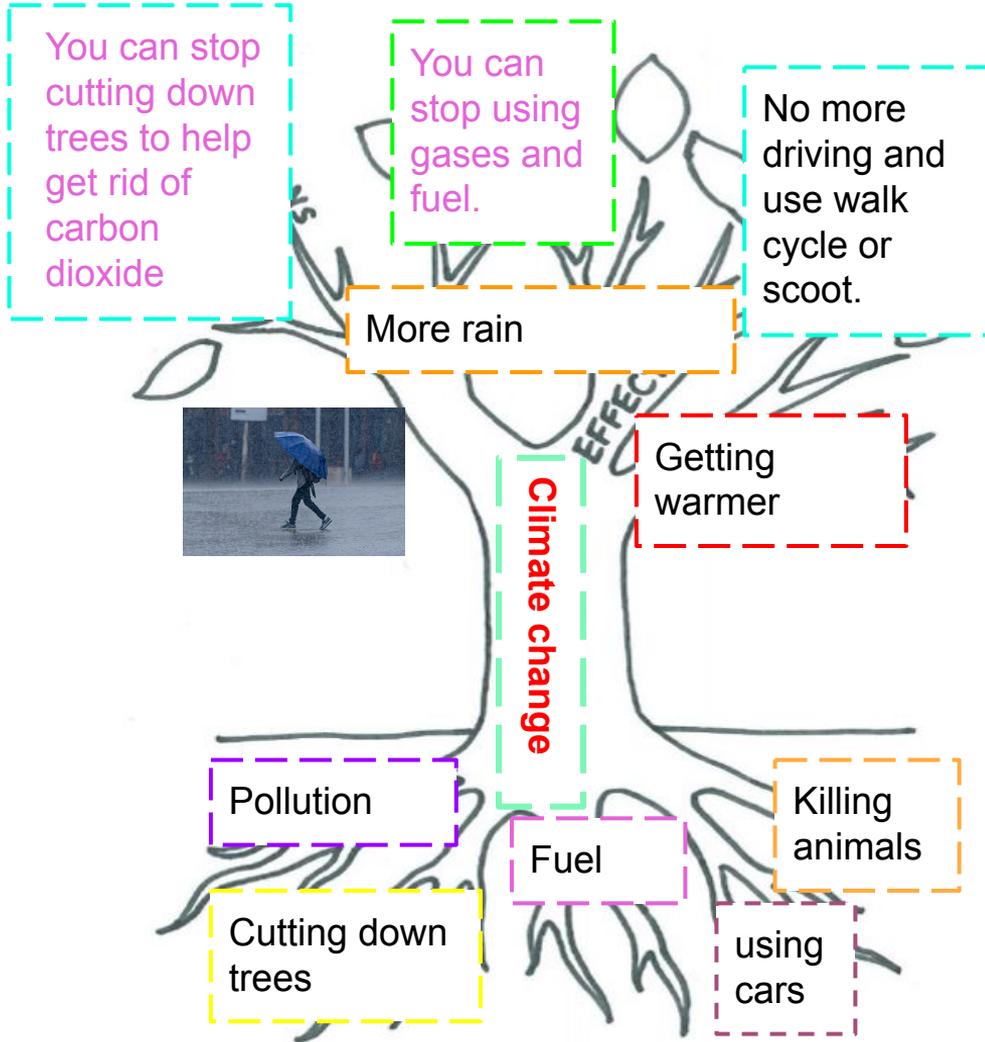


Amelia

Here is my climate change tree

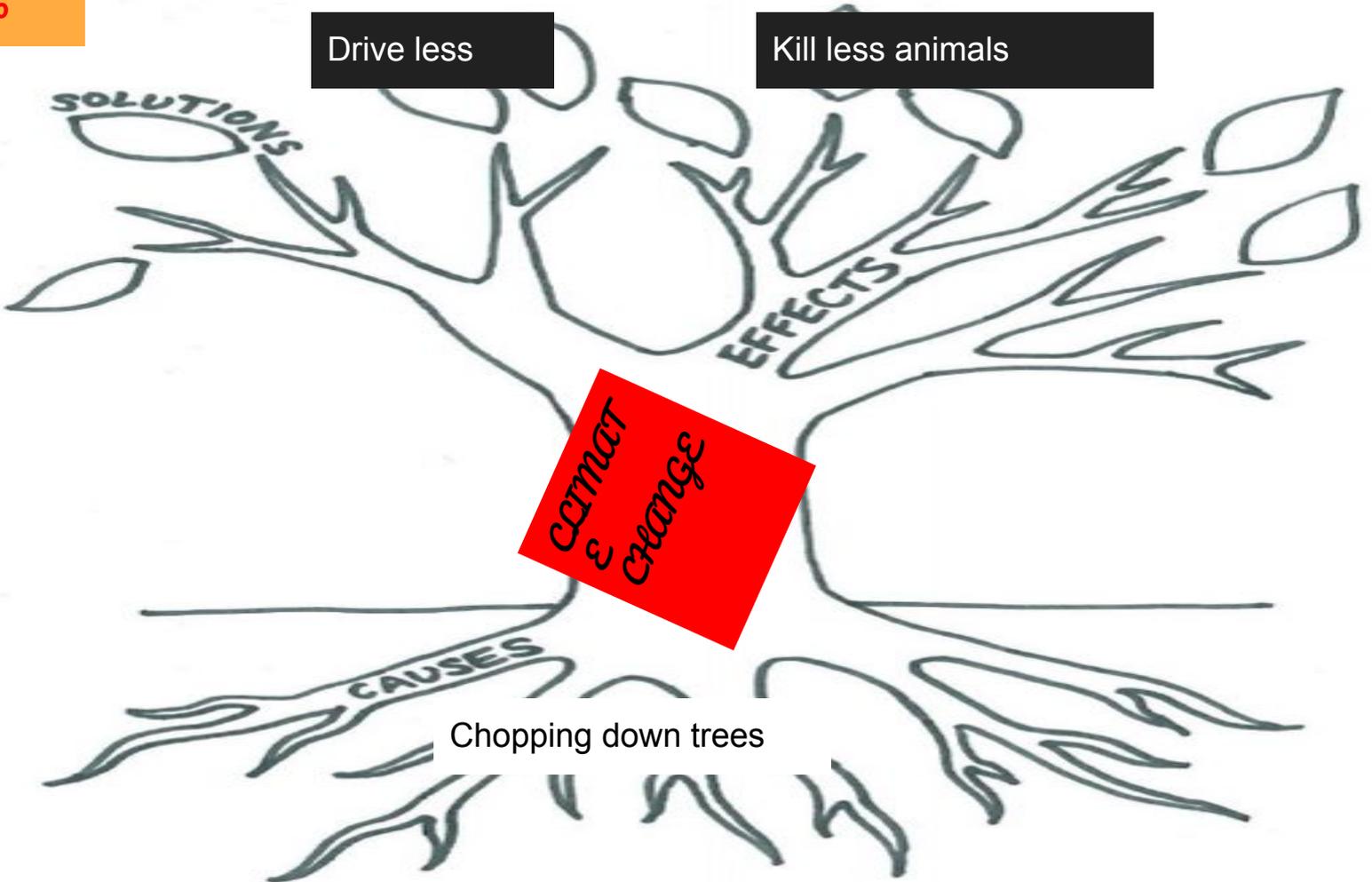
The truck is for the issue the roots have the causes the branches have the effects. And the leaves have the solutions.

Please help save our environment by letting trees live, not using gases and walking, cycling and scooting.



Drive less

Kill less animals

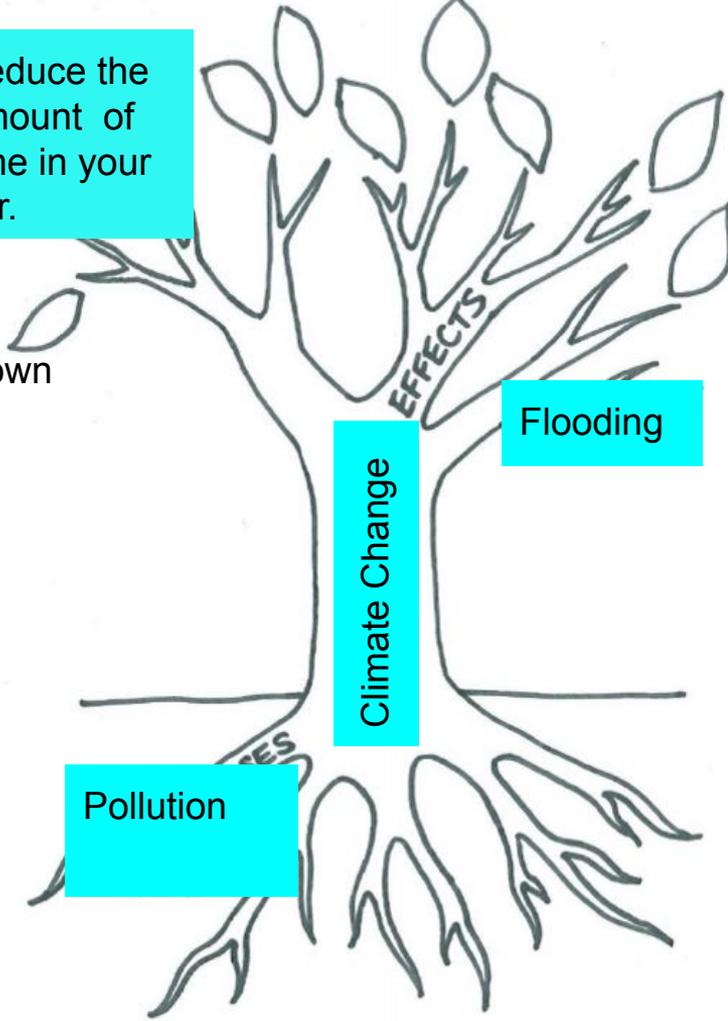


Chopping down trees

Seth

Reduce the amount of time in your car.

Stop cutting down trees.



Flooding

Pollution

HARRY !!!!



Pollution

Smoke from factory's

Walk more

Less factor-ys

Ice melting

drought

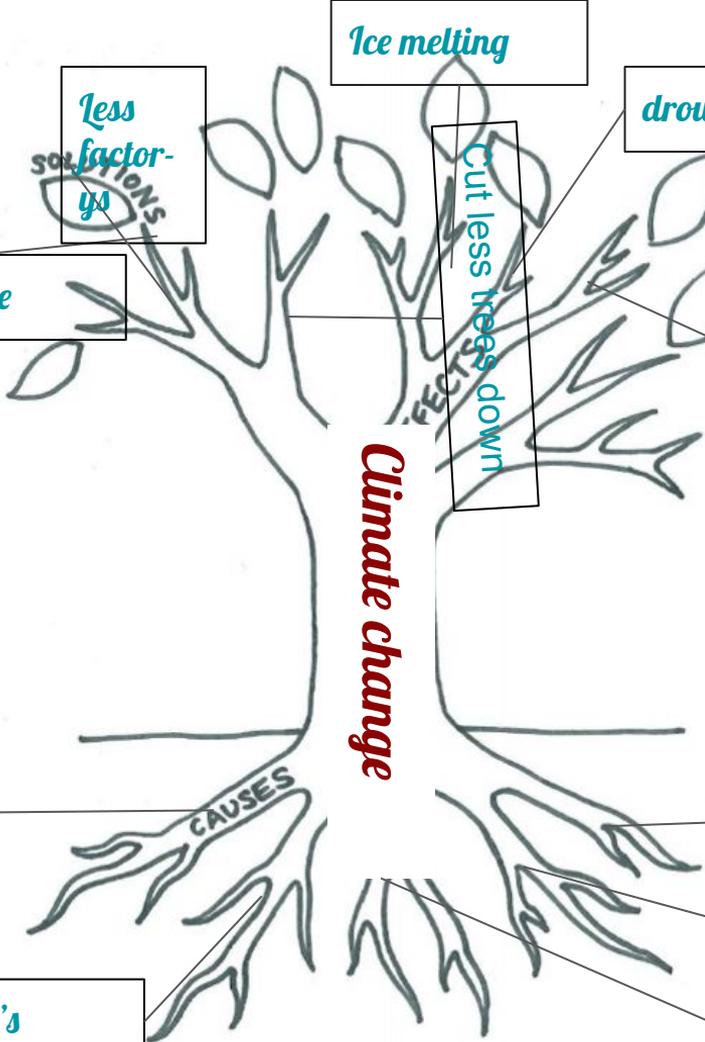
Cut less trees down

flood



People smoking

Burning plastic and fossil fuels .



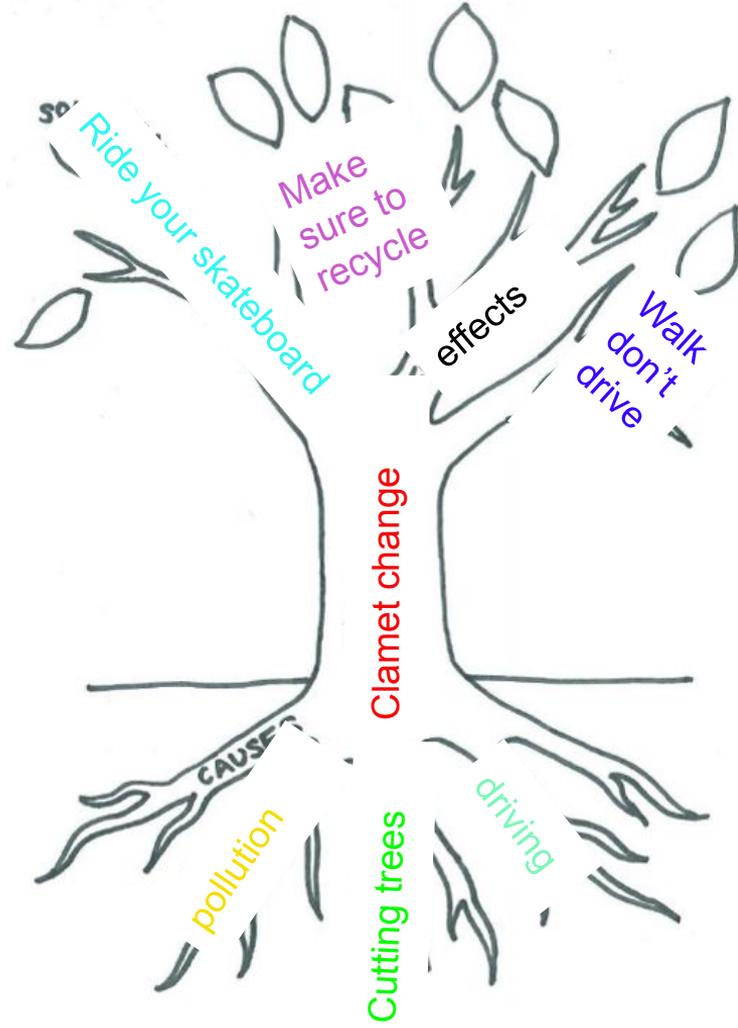
Climate change

CAUSES

EFFECTS

SOLUTIONS

Juliet



Elsie

You could try walking to school.

Try to not use cars too much.



Save the environment

Pollution

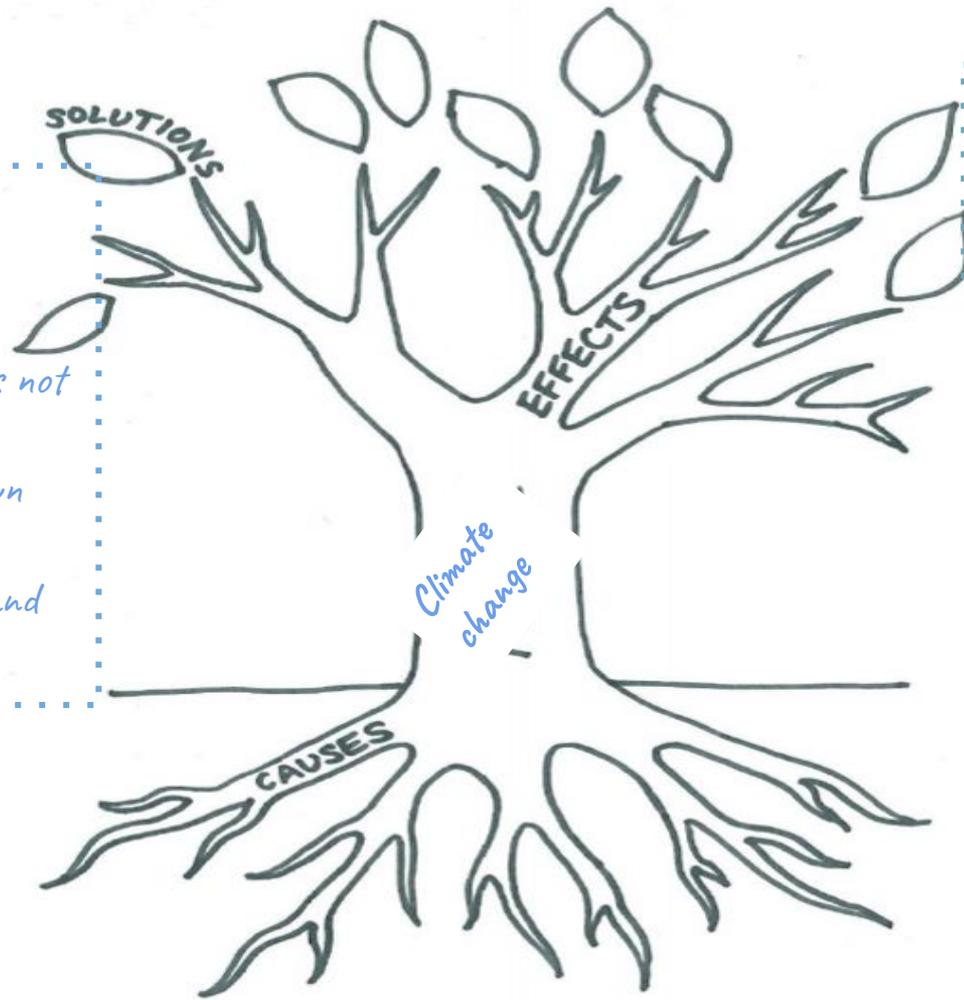
Getting warmer

Floods

People using cars too much.

Do not chop Trees down as much.

BY HIDAYAH



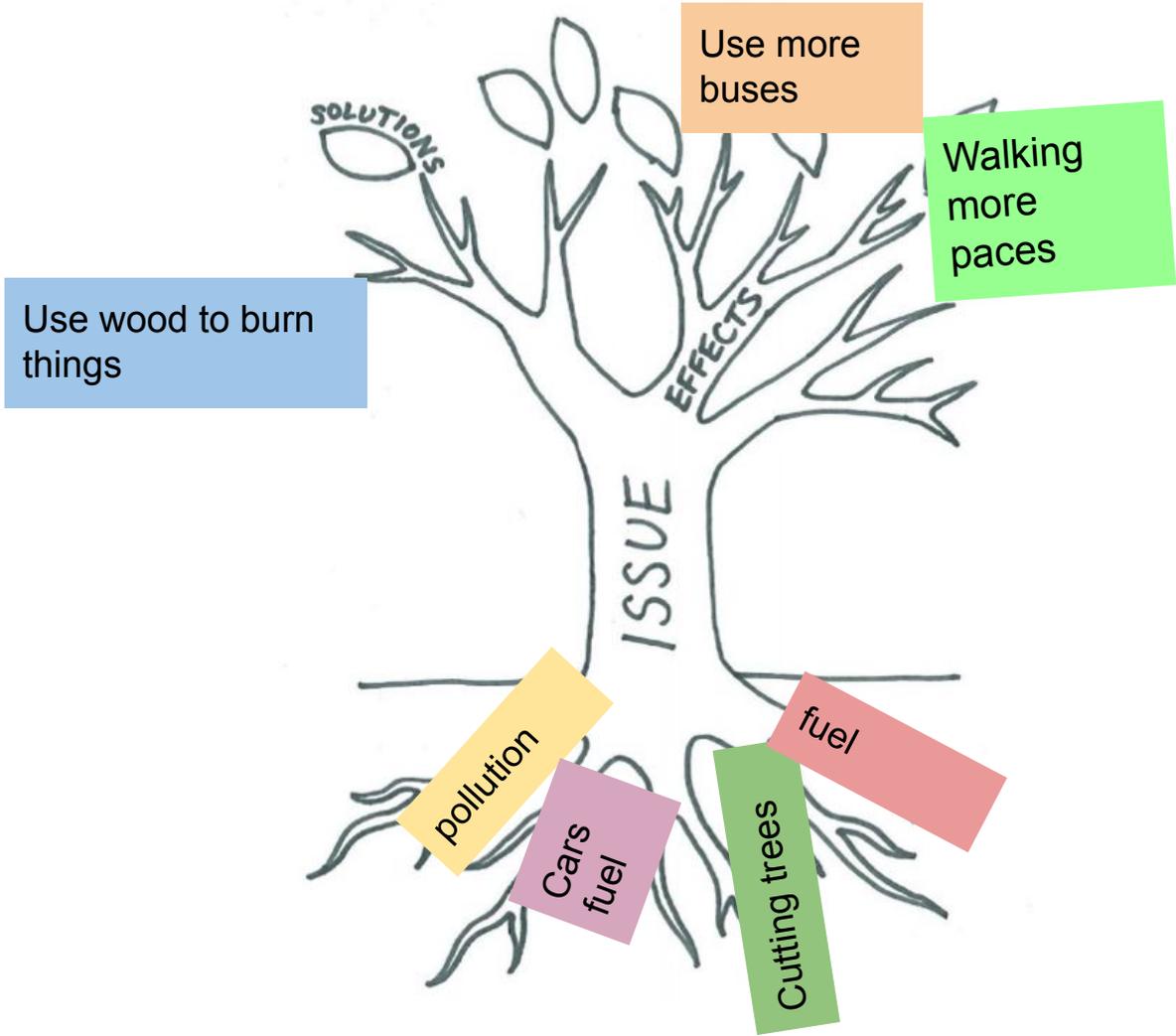
SOLUTIONS

- ☐ Walk more often
- ☐ Eats less meat
- ☐ When electricity is not needed turn it off
- ☐ Stop chopping down trees
- ☐ Stop using gases and fuels

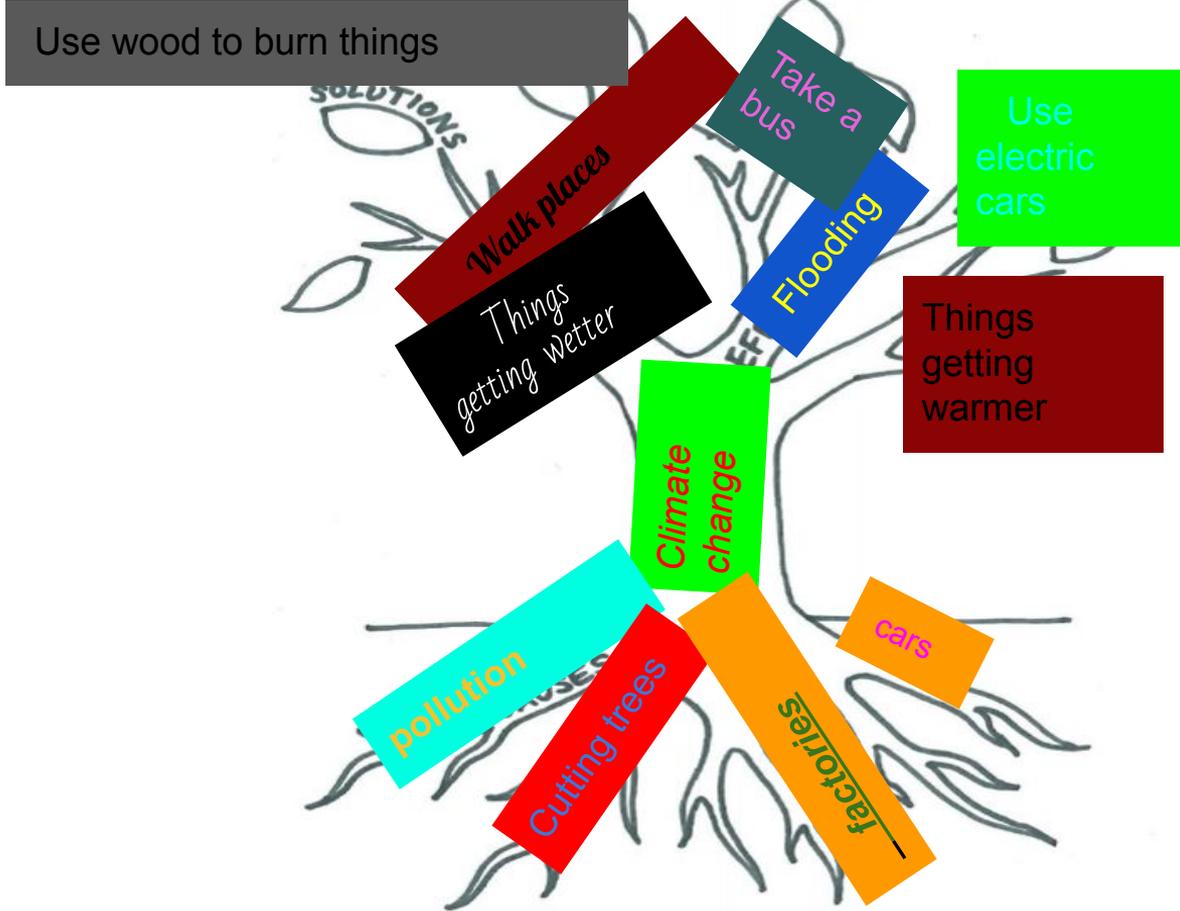
Effects

- ☐ It heats up and makes it rain more

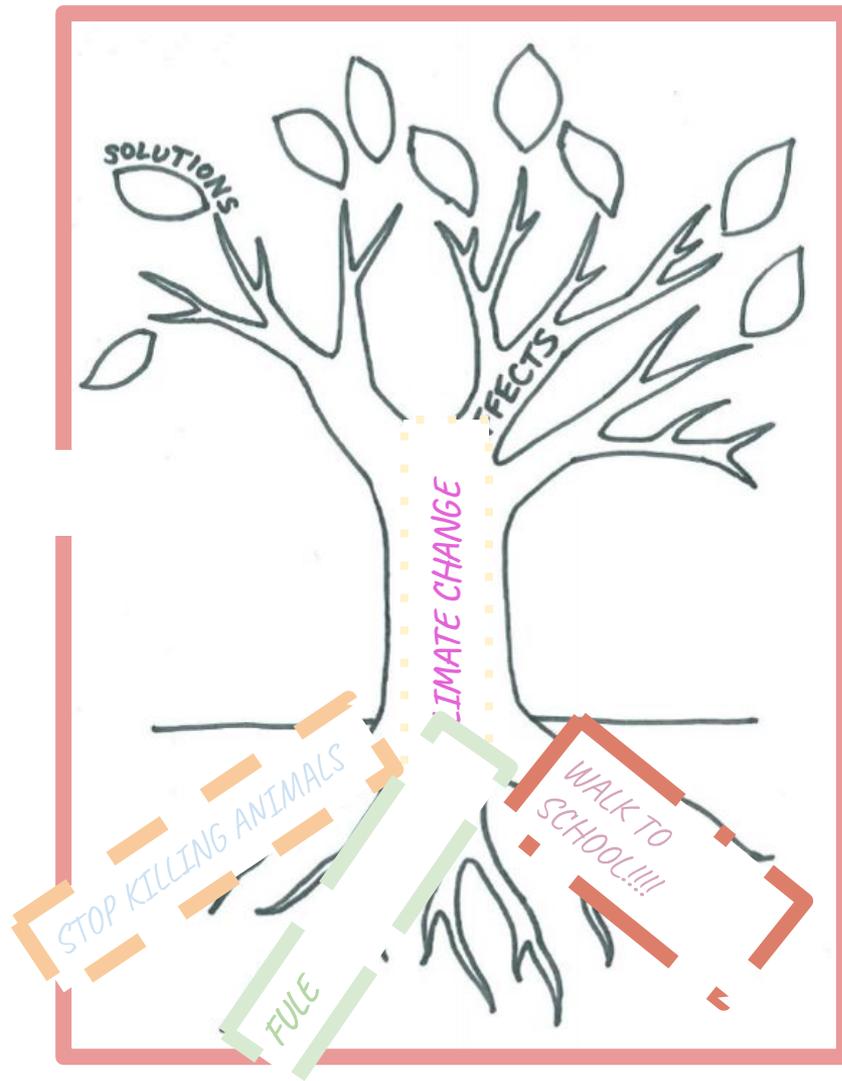
Ruby



Chloe

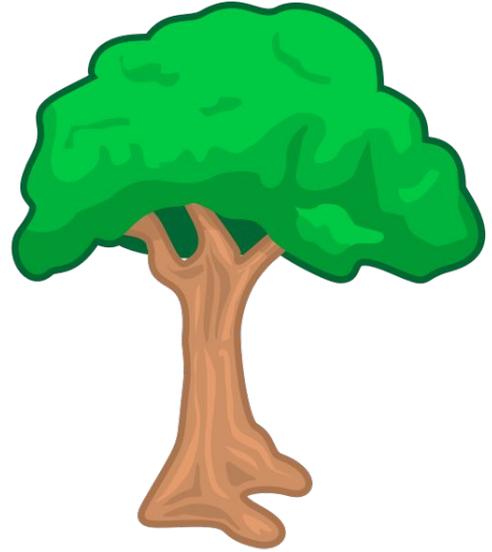
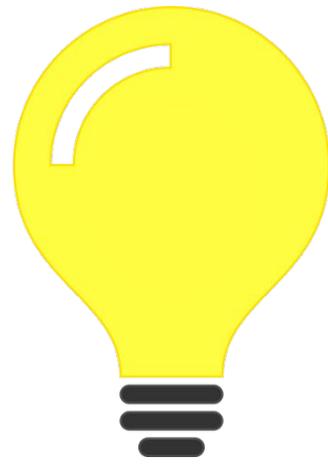
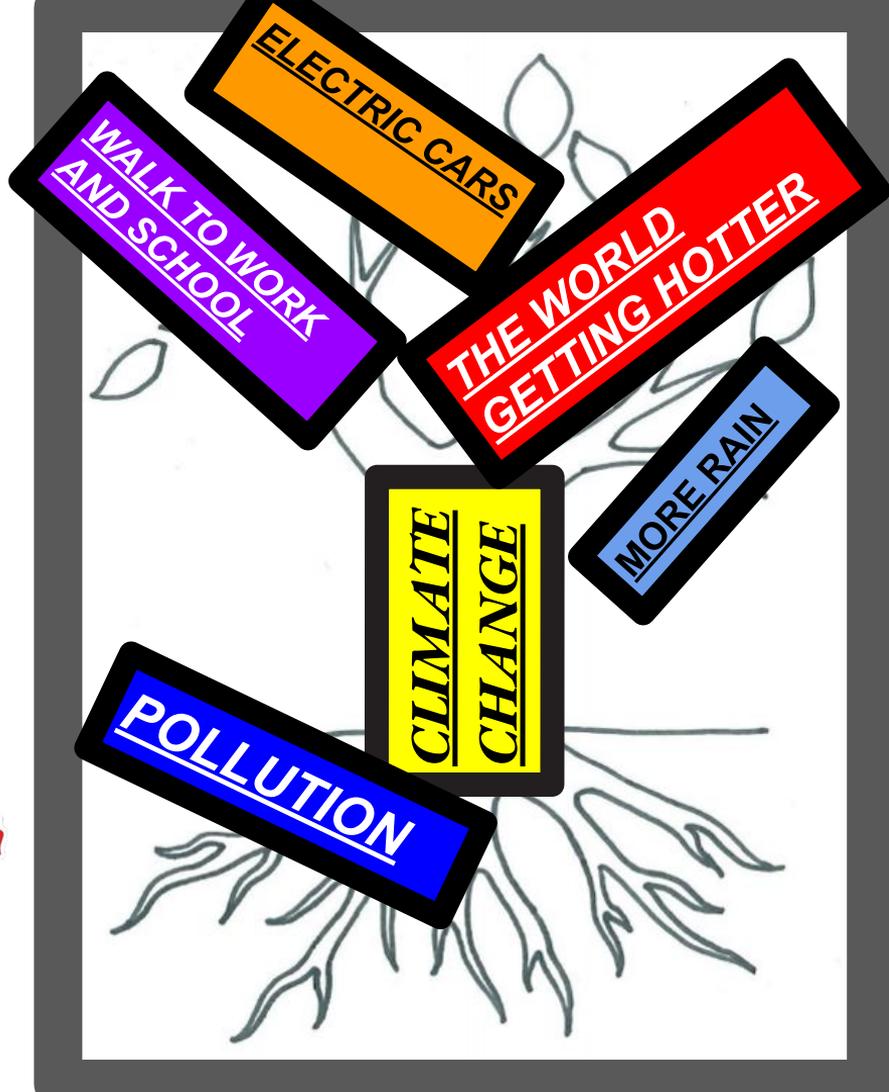


Bibi

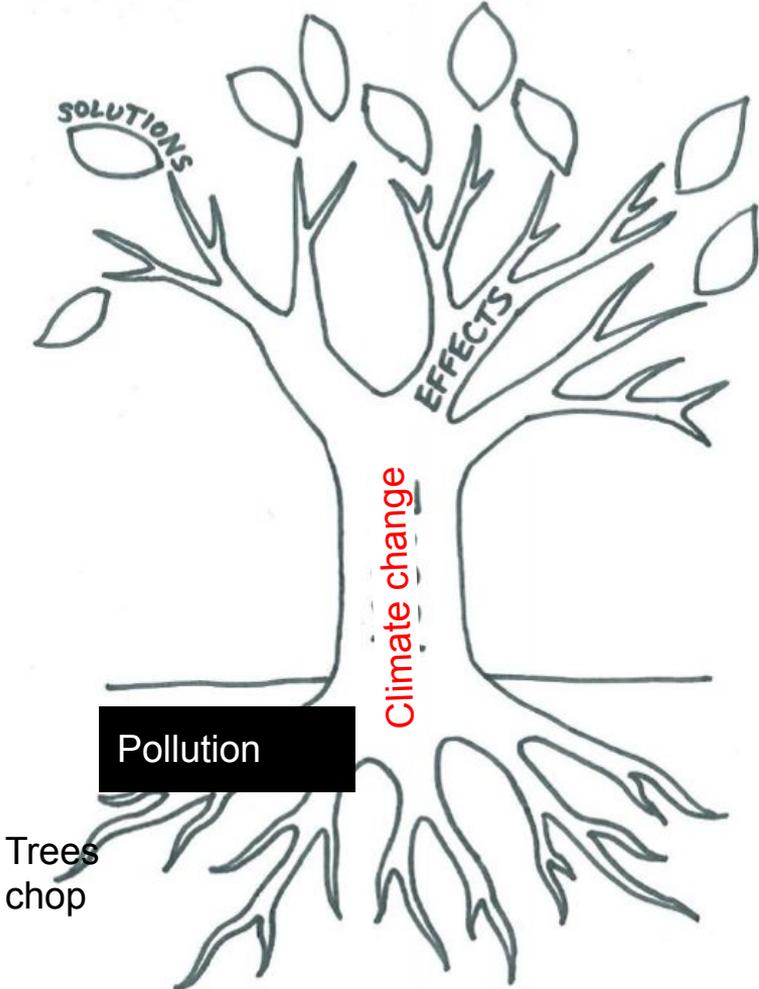


USE ELECTRIC CARS

Miles



Harry W



FREDDIE

solutions

Walk to school
Be vegetarian
Don't chop down trees
Electric cars

causes

Chopping down trees
Using gases
Killing animals



Effects

Flooding
Really hot
Not enough oxygen.



Isabella...

