



CIYD

CLIMATE  
JUSTICE  
TOOLKIT  
JOURNAL



*This climate justice journal  
belongs to*

.....

**Father God<sup>1</sup>**

You have given us  
a world of beauty, and we have spoilt it.  
A world to feed us, and so many go hungry.  
A world of riches, and we are unwilling to share.  
A world to care for, and we think only of ourselves.  
Forgive us, gracious God,  
every time your heart is saddened by our selfishness,  
every time we have no thought for others, no cares but ours.  
Enable us to see this world as a gift from you  
that can be shared, and those who live on it as our neighbours.  
We ask this that your name  
may be glorified  
through the beauty of this world  
and the service of our lives. **Amen**

This pack has been compiled by Tearfund Ireland for CIYD with support from the Climate Justice Fund.

**Welcome**

Welcome to the CIYD climate Justice Toolkit Journal. This is your space to pause, consider and think about climate change and how it is impacting people around the world. So make it your own: stick things in, doodle, scribble, write and draw to capture your thoughts and questions. Enjoy!

Let’s start with some definitions...



**What is climate change?**

Climate change refers to long-term shifts in temperatures and weather patterns. Such shifts can be natural, due to changes in the sun’s activity or large volcanic eruptions. But since the 1800s, human activities have been the main driver of climate change, primarily due to the burning of fossil fuels like coal, oil and gas.

This journal is a place for you to think about the impact of climate change on our planet, who it impacts most and whether that impact is fair. We call this climate justice.

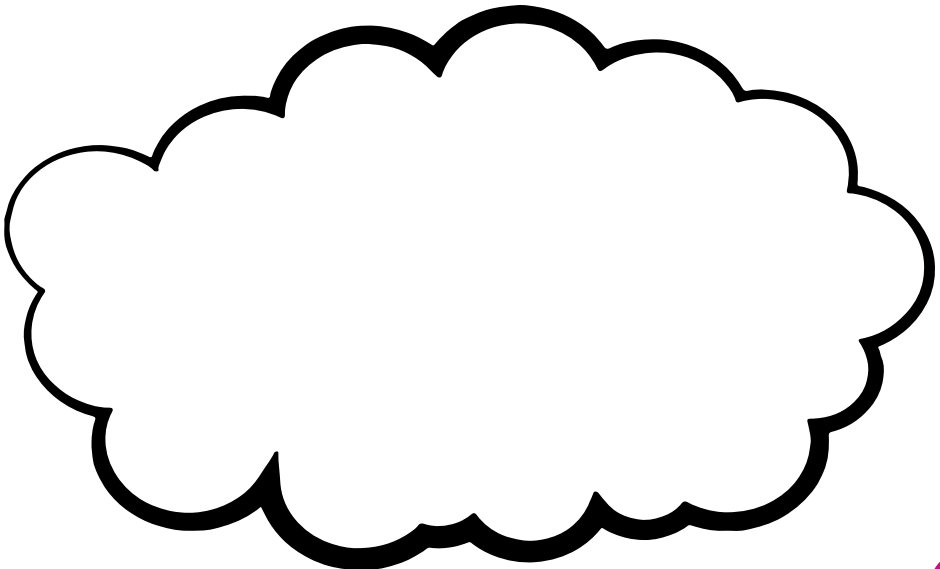


Watch this video clip to find out more about climate justice:  
<https://www.youtube.com/watch?v=NEnpPC8plkE>



**Word Cloud**

Can you think of 3 consequences of climate change? Write or draw them here:



List the words you want to find out more about.

*You can find definitions for words related to climate change and climate justice on page 26*

# CLIMATE JUSTICE WORD SEARCH



You can go up, down, forwards, backwards or diagonally in this wordsearch. Why not time yourself to see how long it takes to find all the words.

**Climate Change**  
**Drought**  
**Earth Emissions**  
**Energy**

**Floods**  
**Fossil Fuels**  
**Gases**  
**Global Greenhouse**

**Justice Layer**  
**Mitigation**  
**Ocean**  
**Ozone**  
**Population**

**Renewable SDGs**  
**Temperature**  
**Warming**  
**Weather**

N	D	M	G	Q	C	Z	P	R	R	K	C	H	A	N	G	E	E	S	M
V	D	Q	N	A	E	B	H	E	D	L	R	L	C	P	L	A	N	E	I
T	H	W	I	G	X	S	H	C	I	J	E	P	F	J	O	R	E	F	T
Z	C	H	M	H	F	T	U	M	Y	T	T	T	G	Y	B	T	R	S	I
Y	B	T	R	H	A	N	A	O	C	R	E	Y	A	L	A	H	G	L	G
T	B	L	A	E	C	T	C	W	H	N	Z	W	S	R	L	D	Y	Q	A
K	O	G	W	C	E	E	J	Z	C	N	N	L	E	S	S	U	M	I	T
B	C	C	Y	E	A	H	N	P	W	D	E	U	S	T	H	C	Z	I	I
W	Z	A	X	N	Z	P	A	K	K	Y	B	E	L	C	H	H	K	F	O
Z	R	R	S	T	L	U	D	J	J	R	P	V	R	V	X	Q	V	O	N
Q	L	M	E	X	R	A	Q	C	U	D	R	O	U	G	H	T	F	S	Z
A	D	D	F	N	L	D	A	A	R	D	E	D	Z	V	H	L	U	S	Y
J	Z	L	F	T	V	A	R	F	B	D	N	S	U	O	O	X	S	I	Q
U	S	N	B	X	X	A	Q	S	D	L	E	D	Y	O	N	E	L	L	V
P	O	P	U	L	A	T	I	O	N	P	W	Y	D	I	R	E	E	S	E
F	G	W	C	Y	E	U	H	J	L	K	A	S	Q	X	Z	Q	U	B	X
J	U	S	T	I	C	E	A	G	S	Q	B	P	G	K	G	R	F	G	D
E	M	I	S	S	I	O	N	S	G	P	L	V	Z	B	T	W	A	I	H
T	E	M	P	E	R	A	T	U	R	E	E	Y	T	G	I	L	Q	Q	J
Z	T	O	H	F	B	S	D	D	E	C	N	V	F	I	R	X	Y	Q	J



**Climate Justice Stories of impact**

When we talk about climate justice, we are thinking about those who are the most impacted by the effects of climate yet have done least to cause it:

Meet **Norman Molina** from Honduras<sup>2</sup> - a country affected by climate change.



Watch Norman's story here:



*"Love does no harm to a neighbour"*  
Romans 13:10a

**What do you think about Norman's story?**

Write a prayer for people affected by climate change who have done little or nothing to cause it.

2 Source: Tearfund Ireland Harvest Service Pack 2020





# Ireland and the Flood 2100





# Code BREAKER

Can you crack the code using the symbols below?


## Codes

A		G		M		S		Y	
B		H		N		T		Z	
C		I		O		U		1	
D		J		P		V		2	
E		K		Q		W		3	
F		L		R		X		4	



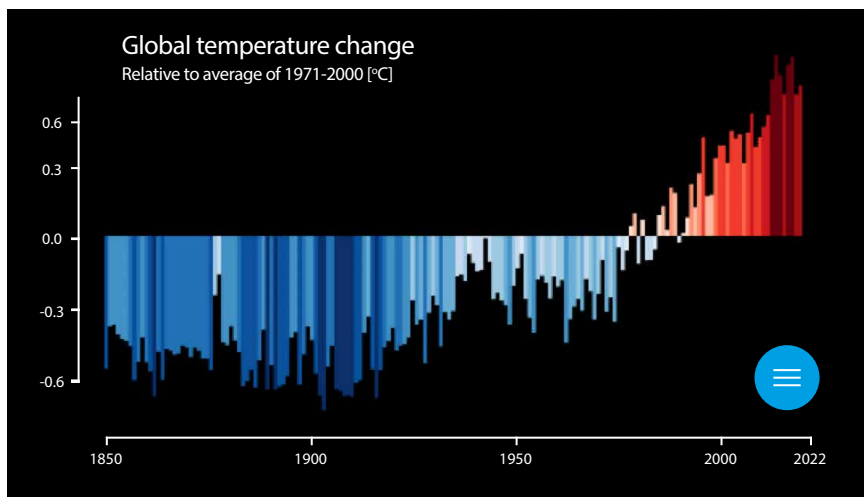
Find the answer on page 31 at the back of the journal

# DID YOU KNOW?



**2808 ltrs**  
of water to make 1 hamburger

- It would take a person in Uganda 64 years to emit the same amount of CO<sup>2</sup> as a person in Ireland?
- The planet had its hottest June and July ever on record in 2023 according to the European Union's climate monitor.<sup>5</sup>
- The poorest 3.5 billion people are responsible for just 10 per cent of emissions, but these same people are already facing the worst impacts of climate change<sup>6</sup>.
- Altogether, one hamburger takes **2808 litres** of water to make. Hamburger Bun: 85 litres. Slice of Tomato: 6 litres. Leaf of Lettuce: 1 litre. Slice of Cheese: 90 litres. Beef Patty: 2626 litres<sup>8</sup>.
- We are using the equivalent of 1.6 Earths to maintain our current way of life, and ecosystems cannot keep up with our demands.<sup>9</sup>
- "Climate change will force up to 113m people to relocate by 2050"<sup>10</sup>



5 <https://www.rte.ie/news/world/2023/0706/1393053-climate-temperatures/>

6 Oxfam 2015

8 [www.theurbanbaker.com](http://www.theurbanbaker.com)

9 <https://www.un.org/en/actnow/facts-and-figures>

10 <https://showyourstripes.info/c/g>

**Why we should care about climate change?**



**Scientist Catherine Heyhoe tells why she cares ...**

[https://youtu.be/2VltH7iH\\_bs](https://youtu.be/2VltH7iH_bs)



**How long does it take for rubbish to decompose?**

Match the rubbish to the length of time:

Rubbish	Length of time
Nappy	1 month
Cigarette butt	10 years
Plastic bottle	20 years
Glass bottle	80 years
Aluminum can	250 years
Paper bag, apple core	450 years
Plastic straw	never



Find the answer on page 31 at the back of the journal.

*What would you like to say to Governments around the world?*

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*Doodle, draw and note your ideas here before putting them on the problem tree*

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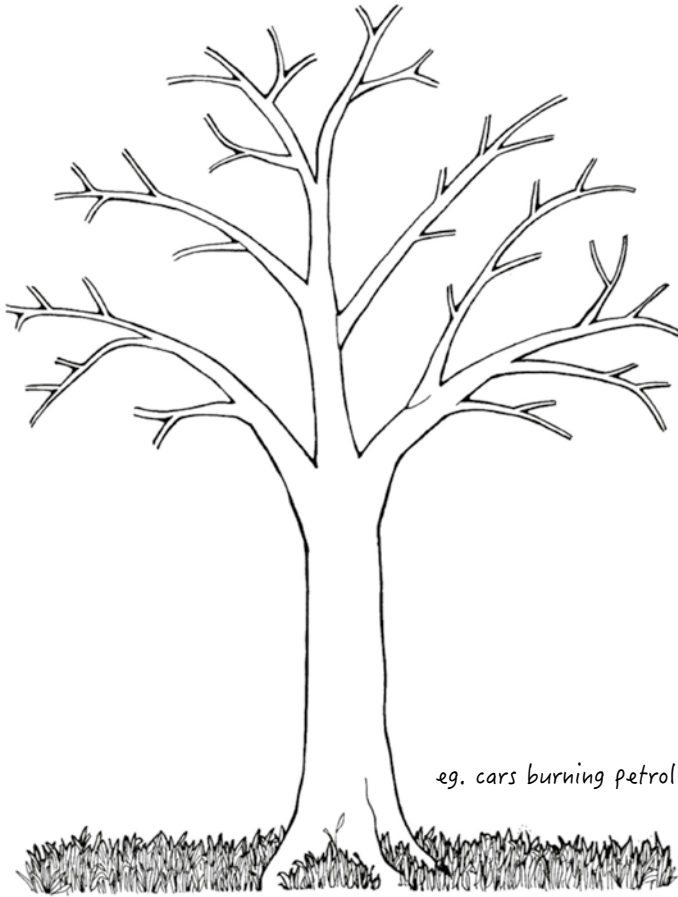
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*Then God blessed them and said, "Be fruitful and multiply. Fill the earth and govern it. Reign over the fish in the sea, the birds in the sky, and all the animals that scurry along the ground."*

*Genesis 1:28 NLT*

## The Climate Justice Problem Tree

So, what causes climate change and what can we do about it?



Write or draw your responses:

- **Trunk:** What is the problem?
- **Roots:** What human actions are causing this problem?
- **Branches:** What impact are these problems having on the world?



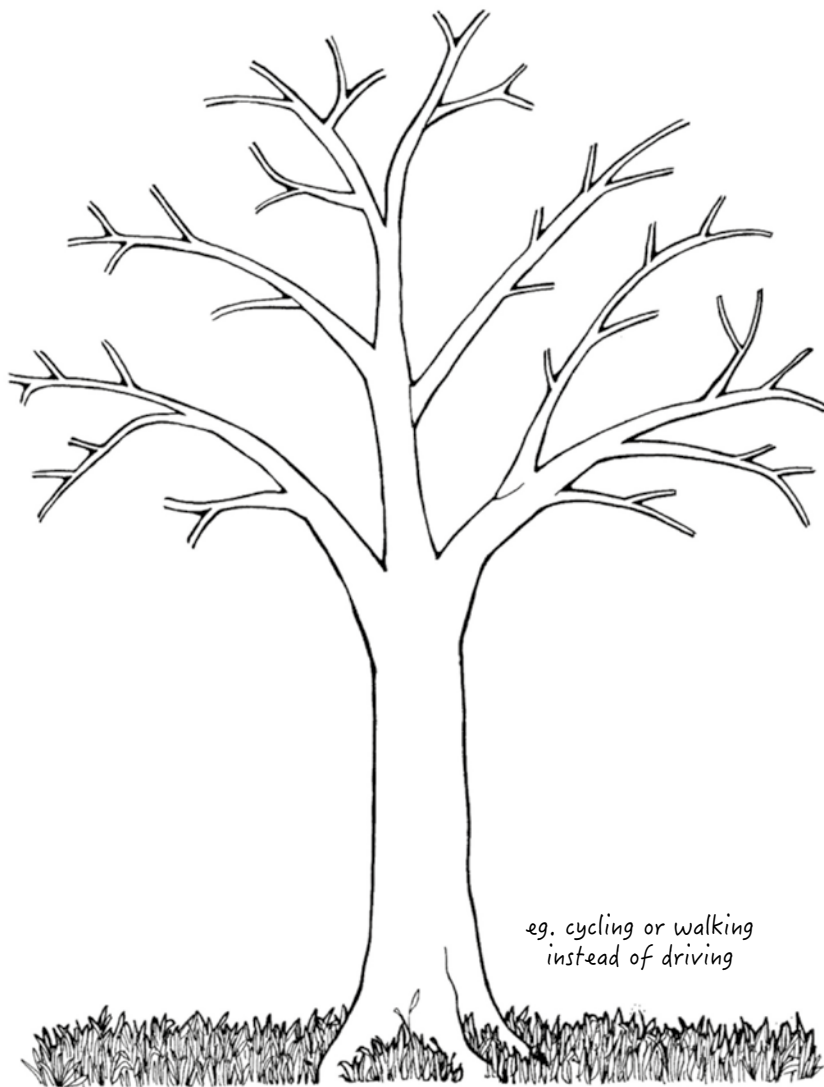
Check out the UN website exploring the causes and effects of climate change with this QR Code.



Learn more

### Climate Justice Solution Tree

What are the solutions? Write or draw your ideas on the tree.



- Trunk: What is the solution?
- Roots: What actions must we take to come to the solution?
- Branches: What impacts will these actions have on the world?



### What are some of the experts saying about Solutions?

Why not join a growing movement of Christians on the island of Ireland and around the world taking action on climate change and for climate justice:



**Eco Congregation Ireland** [www.ecocongregation.org](http://www.ecocongregation.org)

**Renew Our World** [www.renewourworld.net](http://www.renewourworld.net)

*Make a note here of other movements that you hear about:*

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## Climate Justice Stories - Signs of hope in Ethiopia

Meet Amarech and Mattheos who have really suffered due to climate change.



Photo: Amarech courtesy of Tearfund Canada

*This is Amarech's favourite Bible verse:*

**"I will lift up my eyes to the mountains;  
From where shall my help come? My help comes from the LORD,  
Who made heaven and earth."**

**Psalm 121:1-2**

Find out about how their lives are being transformed through trying out new ways of farming

**Less is More - Amarech and Mattheos - YouTube**



Watch Here



Now that you have had some space to think about climate change and climate justice - how about some action?



## Become Climate Justice Champion

**What does a climate justice champion look like?**

# ACTION

What is important to me?

Draw or stick a photo of yourself here

What do I know about climate change and climate justice?

What skills and abilities do I have?

My hobby

Who do I know who can help me?

# CLIMATE JUSTICE BINGO

TAKE ACTION  
ON CLIMATE!

This month see if you can tick off all of these challenges on your own or with others to take action on climate and inspire others.

Go plastic free for a day

Use your reusable water bottle

Go on a litter pick

Cycle or walk instead of travelling by car

Tell friends and family one thing you have learned about climate justice

Pray for those most affected by the climate crisis

Host an event at your school, youth group or church about climate

Visit a refill shop

Find out more about the Sustainable Development Goals related to climate

Buy something in a charity shop

Share an inspiring quote about climate justice

Go on a litter pick

Make some art about climate justice

listen to understand more

Promote a climate event

Learn more about the climate related SDGs and Ireland's progress on them







How many new and different ways can you think of  
to pray to God about Climate Justice?

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*"Don't worry about anything; instead, pray about everything; tell  
God your needs, and don't forget to thank him for his answers."*

Philippians 4:6 TLB

## Glossary of terms

### Climate

Climate refers to the weather conditions prevailing in an area in general or over a long period of time. Weather is the state of the atmosphere at a particular place and time as regards heat, cloudiness, dryness, sunshine, wind, rain etc

### Climate Action

Climate action means stepped-up efforts to reduce greenhouse gas emissions and strengthen resilience and adaptive capacity to climate-induced impacts, including: climate-related hazards in all countries; integrating climate change measures into national policies, strategies and planning; and improving education, awareness-raising and human and institutional capacity with respect to climate change mitigation, adaptation, impact reduction and early warning. It requires mobilizing US\$100 billion annually by 2020 to address the needs of developing countries in moving towards a low-carbon economy.<sup>11</sup>

### Climate Justice

Climate Justice links human rights and development to achieve a human-centred approach, safeguarding the rights of the most vulnerable people and sharing the burdens and benefits of climate change and its impacts equitably and fairly. Climate justice is informed by science, responds to science and acknowledges the need for equitable stewardship of the world's resources. The Mary Robinson Foundation<sup>12</sup> identifies key principles of Climate Justice as being:

- Respect and Protect Human Rights
- Support the Right to Development
- Share Benefits and Burdens Equitably
- Ensure that decisions on Climate Change are participatory, transparent and accountable
- Highlight gender equality and equity
- Harness the transformative power of education for climate stewardship
- Use effective partnerships to secure climate justice

11 <https://www.sdfinance.undp.org/content/sdfinance/en/home/sdg/goal-13--climate-action.html>

12 <https://www.mrfcj.org/principles-of-climate-justice/>

## Emissions

Emissions are any release of gases such as carbon dioxide which cause global warming, a major cause of climate change. They can be small scale in the form of exhaust from a car or methane from a cow, or larger scale such as those from coal-burning power stations and heavy industries.<sup>13</sup>

## Fossil fuels

A natural fuel such as coal or gas, formed in the geological past from the remains of living organisms. Burning fossil fuels releases substances into the air that cause air pollution, water pollution and climate change.

## Global Warming and Climate Change

Global warming refers to the increasing average surface temperature of Earth, whereas climate change encompasses global warming, changing rates of precipitation, and evaporation, rising sea levels plus all of the extreme weather events such as flooding, drought and storms or hurricanes. It's not that the phrase 'global warming' is wrong, climate change is just more accurately describing what is happening in the bigger picture.<sup>14</sup>

## Greenhouse Gases

A wide range of gases known as greenhouse gases contribute to climate change. The most important greenhouse gases are carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>) and nitrous oxide (N<sub>2</sub>O). Other greenhouse gases comprise so-called F-Gases, a wide variety of man-made gases used in various applications, such as refrigeration and air conditioning. Collectively these greenhouse gases are the subject of international agreements, such as the United Nations Framework Convention on Climate Change and The Paris Agreement.<sup>15</sup>

## Ozone layer

A layer in the earth's stratosphere at an altitude of about 10 km (6.2 miles) containing a high concentration of ozone gas, which absorbs most of the ultraviolet radiation reaching the earth from the sun.

13 <https://www.bbc.com/news/science-environment-48057733>

14 <https://greenschoolsireland.org/wp-content/uploads/2019/03/Green-Schools-Climate-Action-Teacher-Resource.pdf>

15 <https://www.dcae.gov.ie/en-ie/climate-action/publications/Documents/16/Climate%20Action%20Plan.pdf>

### Mitigation

Mitigation measures are those actions that are taken to reduce and curb greenhouse gas emissions, while adaptation measures are based on reducing vulnerability to the effects of climate change. Mitigation, therefore, attends to the causes of climate change, while adaptation addresses its impacts.<sup>16</sup>

### Renewable Energy

Renewable energy is energy from sources that will renew themselves within our lifetime. Renewable energy sources include wind, sun, water, biomass (vegetation) and geothermal heat.<sup>17</sup>

### Sea Level Rises

Sea level rise describes an increase in the average level between high tide and low tide where the surface of the sea meets a shoreline.<sup>18</sup>

### The Sustainable Development Goals (SDGs)

The Sustainable Development Goals (SDGs) are a call for action by all countries - poor, rich and middle-income - to promote prosperity while protecting the planet in order to achieve a better and more sustainable future for all. A series of 17 interrelated goals; the SDGs address the global challenges we face, including: poverty, inequality, climate change, environmental degradation, peace and justice.

### Weather and Climate

Weather is what we are experiencing NOW (minutes to weeks). Climate refers to an average of weather patterns over a much longer period of time (years to centuries). Scientists are often asked how they can accurately predict the climate 30 years from now if tomorrow's weather forecast is wrong. Well, we know that summers are always hotter than winters, but we don't know if we'll get 6 weeks or 6 days of sunshine in Ireland next year. The weather is constantly changing whereas climate is much more gradual and easier to predict.<sup>19</sup>

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16 <https://www.activesustainability.com/ climate-change/mitigation-adaptation-climate-change/>

17 <https:// climatechange.ucdavis.edu/science/climate-change- definitions/>

18 <https:// climatechange.ucdavis.edu/science/climate-change- definitions/>

19 <https://greenschoolsireland.org/wp-content/uploads/2019/03/ Green-Schools-Climate-Action-Teacher-Resource.pdf>

*What would you like to find out more about?*

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## Notes

## ANSWERS

Page 11 **Code Breaker Solution:** "The earth is the Lord's and everything in it"  
Psalm 24v1.

Page 13 **Rubbish Decomposing:** Paper bag/ apple core: 1 month, cigarette butt: 10 years, plastic straw: 20 years, aluminium can: 80 years, nappies: 250 years, plastic bottle: 450 years, glass bottle: never.

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**We equip, empower and engage the Church of Ireland, young people and adult youth leaders with the right skills, knowledge and understanding to facilitate progressive youth ministry.**

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