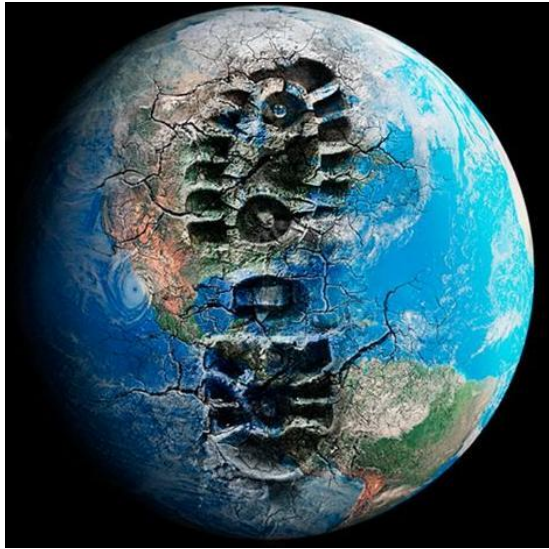


COP-26, our responsibilities and carbon footprints



What is COP26 and why is it important?



- The UN Climate Change Conference of the Parties (COP) is the world's most important summit on climate change.
- This year's conference - COP26 - was hosted in Glasgow.
- The world needs to take action now to stop our planet heating up.

Be a #ForceForNature



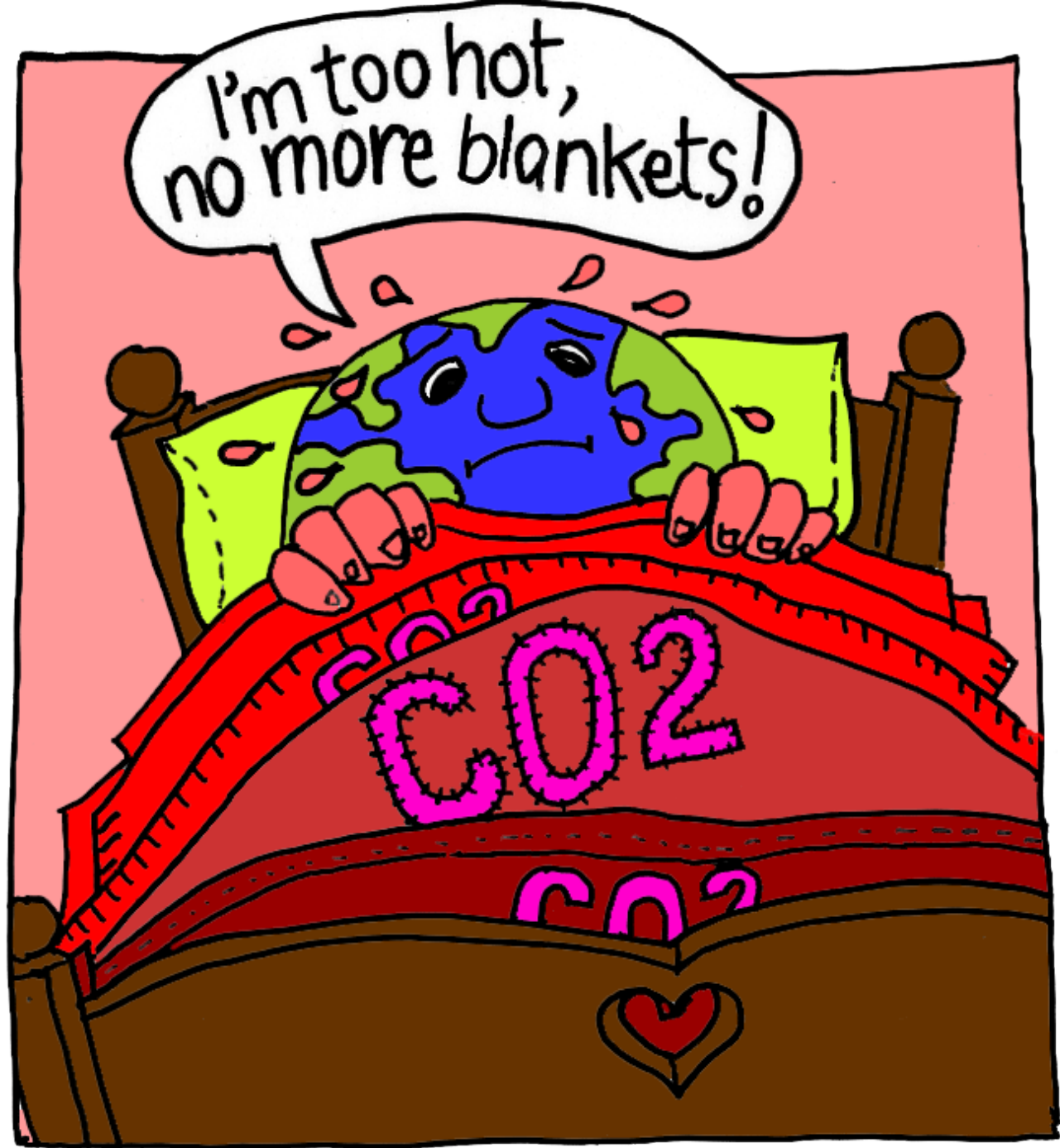
Our Future Matters

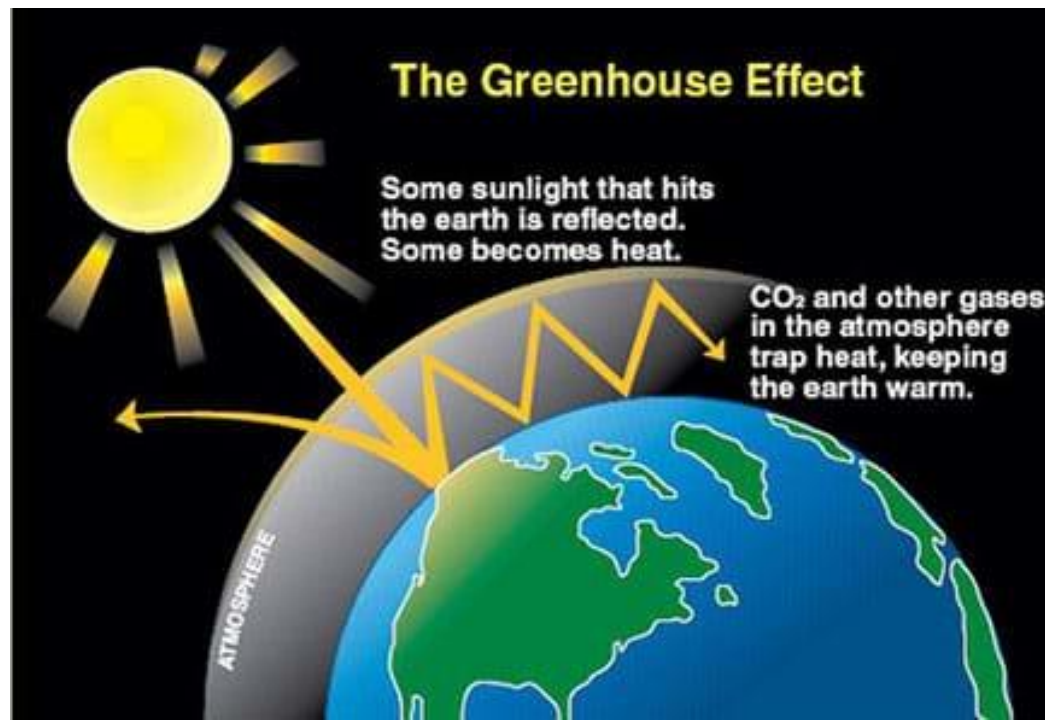


COP 26 - The highlights

- More than 100 countries agreed to **halt and reverse forest loss** by 2030
- 190 nations agreed to **end all investment in new coal plants**
- India pledged to be **net zero by 2070**
- More than 100 countries have pledged to **reduce methane emissions by 30%**
- **If** countries stick to their promises, the Earth's increase in temperature can be kept **under 2 degrees**.

Our world is heating up
more than it should and
we need to stop that
now before it's too late!





The Greenhouse effect is **normal** and makes life possible on Earth

BUT.....

Since humans started pumping huge amounts of greenhouse gases into our atmosphere things have started to go wrong

We need to limit the increase in temperature to **no more than 1.5 degrees** hotter than pre-industrial levels to keep our climate stable.

Where are all the greenhouse gases coming from?

- ❖ Burning coal, oil and gas (fossil fuels) for industry, heating and transport



- ❖ From agriculture, livestock and landfill sites
- ❖ From deforestation

Why are they called **fossil fuels** and what about **carbon**?

They are called fossil fuels because they come from the chemical remains of prehistoric plants and animals!

Did you know all living things on Earth contain carbon?



You are 18 percent carbon. Plants are 45 percent carbon.

What we are seeing **now** because of climate change.

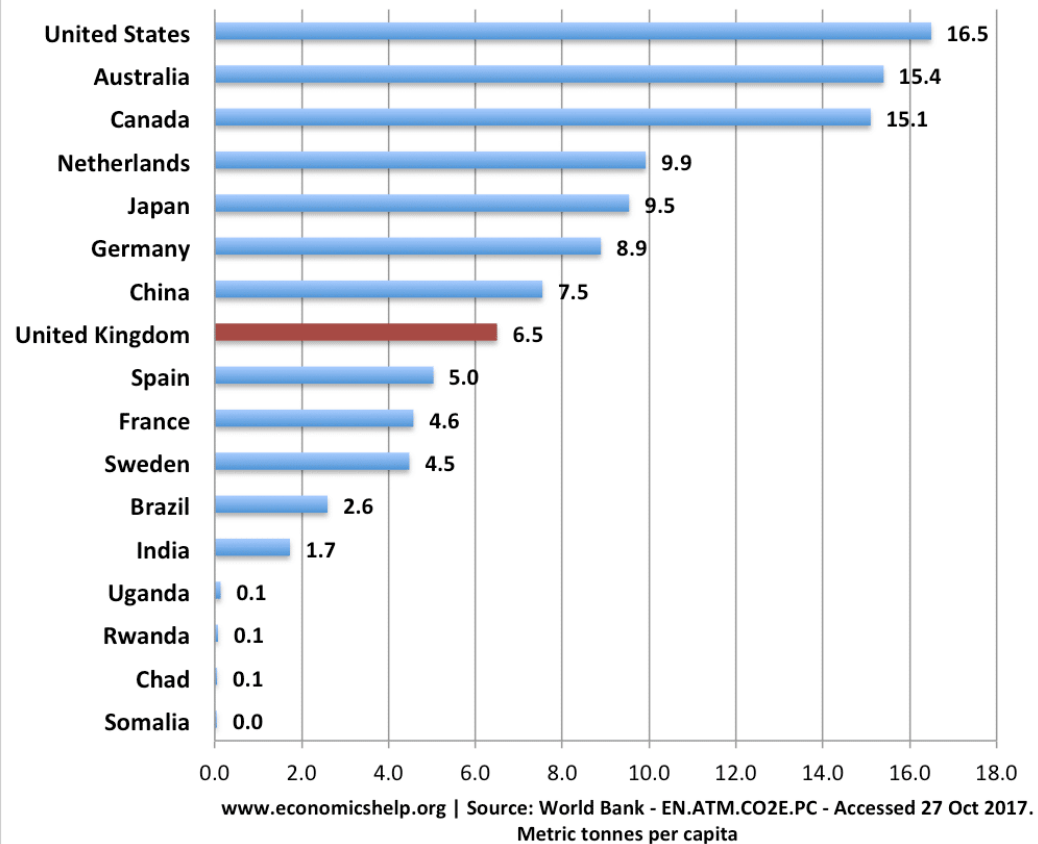


If we don't do anything, things will get **worse**.

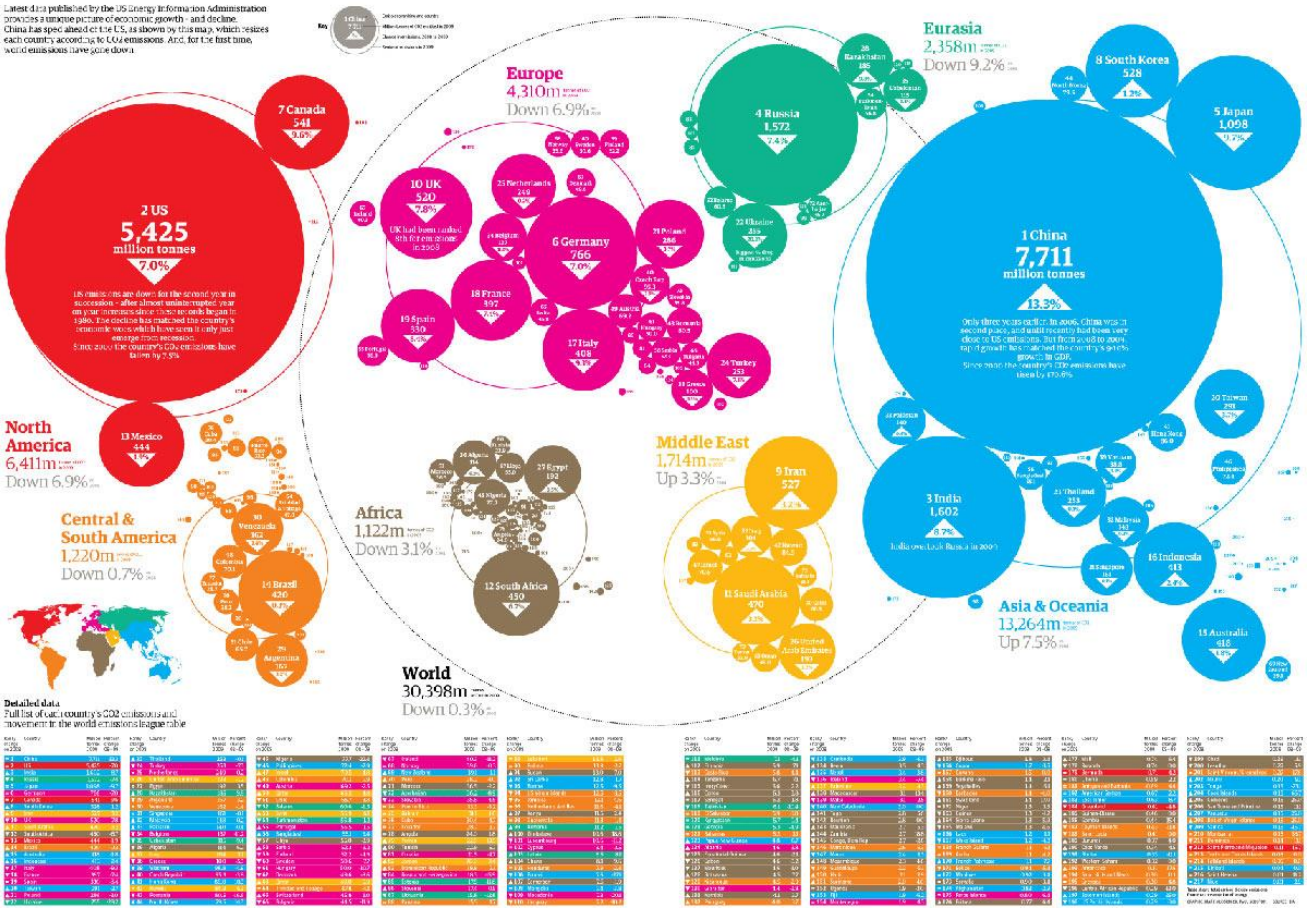


Who is producing all the greenhouse gases?

CO2 emissions per capita

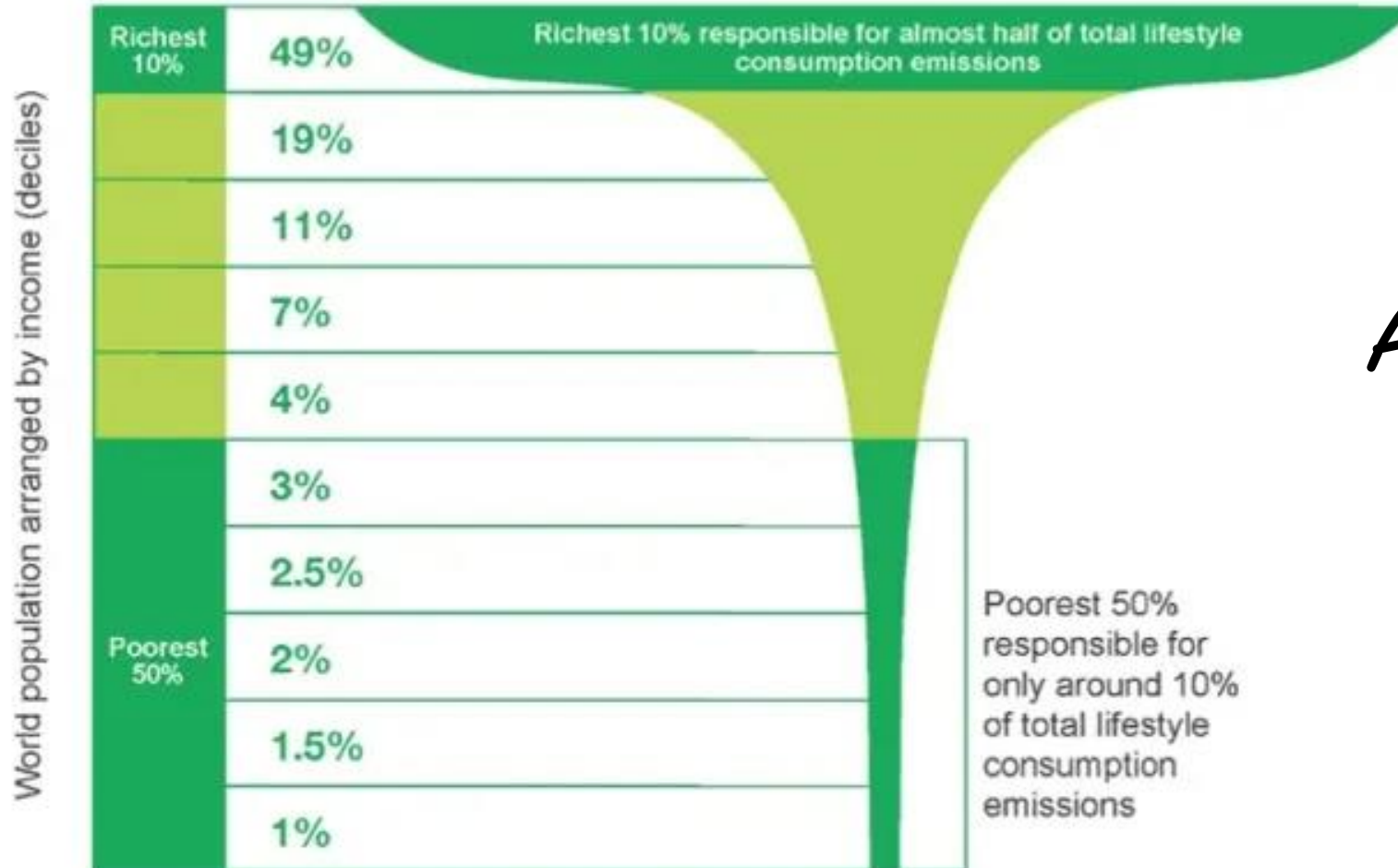


An atlas of pollution: the world in carbon dioxide emissions



Who is responsible?

Percentage of CO₂ emissions by world population



ALL OF US!!!!

WHAT IS A CARBON FOOTPRINT?





- Your carbon footprint is the amount of **greenhouse gases** produced by the way you live your life.
- You can think of your carbon footprint as a measure of **your impact on the environment**.
- Having a **small** carbon footprint is better than having a big one.
- A good goal is to **reduce carbon** emissions from our lifestyles wherever we can.
- Eventually, we will need to be **carbon neutral** (when your carbon footprint is **zero**), which will also need action by **government** and **industry**.
- The sooner we get there the better and scientists say we need to get there over our lifetimes and to have achieved it by the time we are old - **by 2100**.





So what can **WE**
do about it?

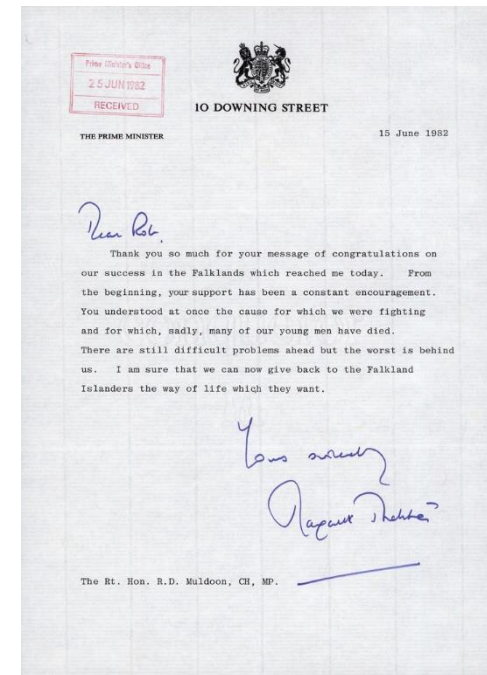
Find out what's going on in your area and get involved

- ✓ Litter picks
- ✓ River or beach cleans
- ✓ Tree planting
- ✓ Make homes for nature



Speak up and tell other people

- ✓ Write to your councillor or local MP
- ✓ Go on peaceful protests
- ✓ Talk to friends and family
- ✓ Share information about the environment on social media
- ✓ Write to your local paper.



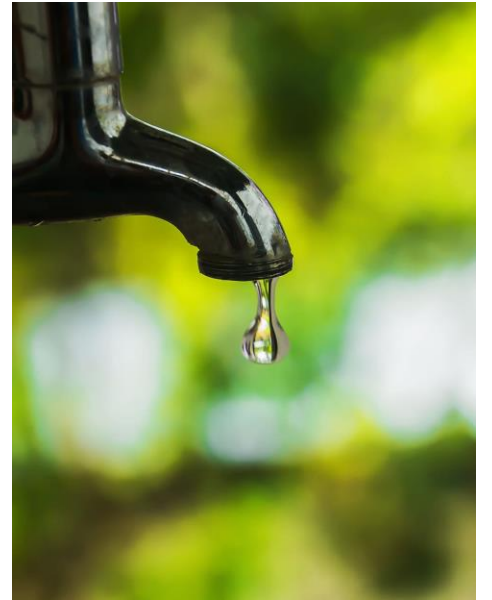
Save energy at home and in school

- ✓ Switch off lights when you don't need them
- ✓ Switch of gadgets and appliances when you aren't using them
- ✓ Encourage your family to put on a jumper instead of turning up the heating
- ✓ When boiling a kettle, only put the amount of water you need



Save water

- ✓ Turn off or fix dripping taps
- ✓ Don't stay too long in the shower
- ✓ Use less water by having a shower instead of a bath
- ✓ Have a water butt in your garden to collect rainwater for watering plants



THINK ABOUT YOUR DIET

- ✓ Cut down on meat and dairy and eat more plant-based meals instead
- ✓ Eat locally produced food or grow your own
- ✓ Eat food that is in season
- ✓ Try not to buy food that comes from far away by plane



Swapping just one red meat meal for a plant-based dinner every week could cut the UK's carbon footprint by 50 million tonnes!



DO NOT WASTE FOOD!

Did you know?

- Globally, around **1/3** of all food produced is wasted, which equals between **8 and 10%** of total greenhouse gas (GHG) emissions.
- It is estimated that if food waste were a country, then it would be the **third highest emitter** of GHG emissions after China and the USA.
- Each year we waste **1,300,000,000** tons of edible food.
- ✓ DO eat wonky fruit and veg
- ✓ Save leftovers for the next day



LOVE
FOOD
hate waste

Cut down on plastic use



- ✓ Refill your water bottle
- ✓ Make your own snacks to bring to school instead of crisps or chocolate in plastic wrappers
- ✓ Reuse plastic containers (eg. takeaway pots are useful to bring snacks in to school or plant seeds in old yogurt pots)
- ✓ Use refill shops whenever you can
- ✓ When you have to use plastic, make sure you recycle it properly



How do you travel around?

Could you walk, scooter or cycle for short journeys?



It is good for your health and the environment.

The carbon footprint challenge

- ✓ Draw around your own foot or use our template
- ✓ Choose at least one action you can take to reduce your carbon footprint
- ✓ Write this on your footprint, give it to anyone in year 6 and we will display it around the school.



