

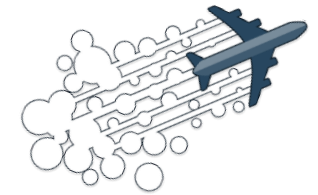
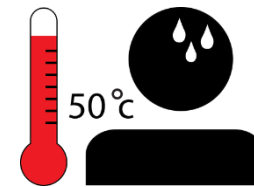
Global temperatures have been rising for over a century, accelerating in the past 30 years, and are now the highest on record.

### Reducing Your Carbon Footprint

The amount of carbon dioxide we release into the air because of our own energy needs.

- 1.) Turn off the lights** – TV's, computers and gadgets should also be turned off to reduce electricity.
- 2.) Layer up your clothing** – Heating up homes unnecessarily can use up oil or gas supplies.
- 3.) Walk rather than go by car** – Transport is a huge contributor to global warming.
- 4.) Grow your own or buy locally** – Agricultural practices, packaging and transportation costs increase carbon emissions.
- 5.) Planting trees** – This produces more oxygen and reduces carbon dioxide due to plants absorbing it.

# Climate Change



## Causes of Climate Change

Burning Fossil Fuels		Oil, gas and coal burned to create electricity and heat.
Agriculture and Deforestation		Fewer trees mean less carbon dioxide is absorbed and less oxygen is released.
Transport		Harmful gases are released from aeroplanes and cars.

## Consequences of Climate Change

Melting Glaciers		Rising sea levels threaten wildlife and increase flooding.
Poverty and Displacement		More natural disasters cause people to leave their homes.
Extreme Weather Events		Storms become more destructive, and heat causes wildfires and droughts.
Animals and Plant Species		Up to 30% of wildlife could become extinct.

## Key Vocabulary

<b>adaptation</b>	When humans make changes so they feel less of the effects from climate change.
<b>agriculture</b>	Livestock, fertilised soil and deforestation contribute to climate change.
<b>carbon dioxide</b>	Gas absorbed by plants and released by humans which contributes to global warming.
<b>drought</b>	Severely dry weather preventing crop growth and reducing water in a given area.
<b>environment</b>	The surroundings in which a person, animal, or plant lives.
<b>greenhouse gases</b>	When released, carbon dioxide, methane and nitrous oxide contribute to global warming.
<b>methane</b>	Greenhouse gas released by livestock, especially cows contributing to global warming.
<b>nitrous oxide</b>	Large-scale farming releases more of this dangerous greenhouse gas
<b>mitigation</b>	Putting steps in place to try and reduce climate change.

### Climate Change Activists

- **Greta Thunberg** – Known for a school strike outside of the Swedish parliament in 2018 and helped begin a youth movement for action on climate change.
- **David Attenborough** – English broadcaster and natural historian whose programs highlight the impact of humans on the natural world.
- **Sunita Narain** – Environmentalist and political activist who has helped reduce pollution in India and impacted water management.

### **Largest River Drying Up**

Colorado River (U.S.A.)

### **Frequent Mountain Landslides**

Himalayan Mountains (Nepal)

### **Most Populous City Threatened**

Jakarta (Indonesia)

### **Affected Fauna (animals)**

polar bear, tiger, monarch butterfly, cod, koala bear, panda, reindeer, Arctic fox,

### **Affected Flora (plants)**

crops (wheat, corn, coffee), coral reef, forests affected by insect outbreaks, wildfires and storms.

