

# The Science behind Climate Change

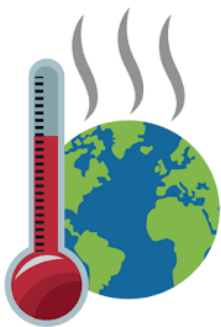
## *Easy Read Guide*



This guide was made by My Life My Choice.



The climate is changing because of what humans are doing.

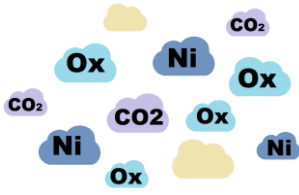


The temperature of the world is going up.

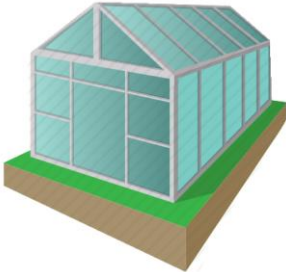


This is causing lots of bad things to happen like floods, forest fires and hurricanes.

# The Science behind It



The earth's atmosphere is made of lots of different gasses.



Some of these gasses are called greenhouse gasses.



Greenhouse gasses are made when we burn coal, gas, petrol and oil.



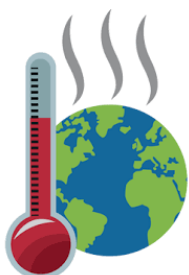
Farming and rubbish tips also make greenhouse gasses.



When there are more greenhouse gasses in the air, they create a layer around the earth.

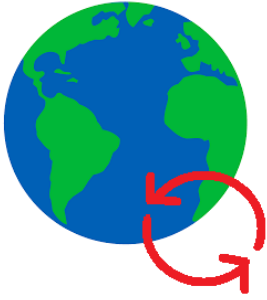


This layer means that some of the heat from the sun cannot escape as it normally would.



Because of this, the temperature of the world gets higher, causing climate change.

# Impacts of Climate Change



There are lots of changes that happen because of this temperature rise.



Most importantly, the sea is getting warmer causing ice in the arctic to melt.



This causes the sea level to rise.



And animals to lose their homes and food.



It also changes the amount of salt in the sea because ice doesn't have salt in it.



These changes could make places like Britain colder, and other places warmer.



Climate change also causes changes to the weather around the world.



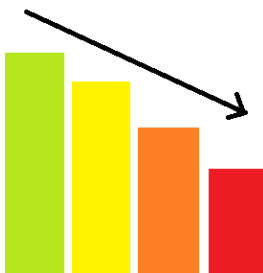
For example, in Australia it has made the summers so hot that they are getting lots of forest fires.



These fires are killing lots of animals and destroying people's homes.



In other places in the world climate change is causing floods.



These impacts are already happening but will get worse if the warming is not stopped.



These changes are so bad that government has declared a 'climate emergency'.