



Key Vocabulary

Key Knowledge

WORD	DEFINITION
biodegrade	to naturally break down
COP	conference of parties
global warming	the process that causes the earth to become hotter
greenhouse gases	gases in Earth's atmosphere that trap heat
habitat	the home of an animal or plant
industrial revolution	a period of major change in the way products are made
net zero	how much greenhouse gas is added to the environment and what is taken away
species	a group of living things categorized together because of similarities in features

Greenhouse gases

Some human activities produce **greenhouse gases** (carbon dioxide, methane, nitric oxide):

- Cutting down trees means more carbon dioxide stays in the air.
- Farming animals produces methane gas.
- Transport – fuels such as diesel and petrol produce carbon dioxide.

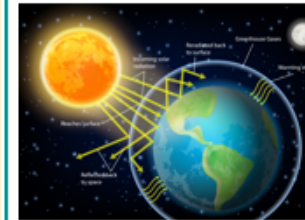
Scientists look at **trends** in weather data to track how the Earth's climate is changing.



Landfills are big holes in the ground where we bury the things we throw away

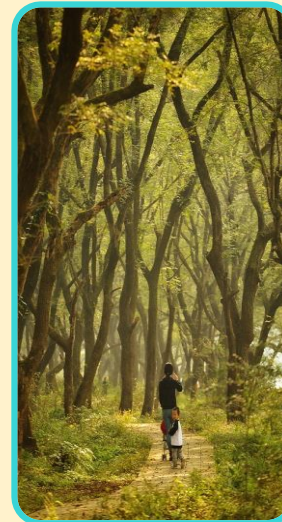


Climate Change/Global Warming



Greenhouse gases trap the heat from the sun and stop it leaving the Earth, causing the planet to become warmer

A warmer planet means the ice will melt. Some animals will lose their habitat. Water levels will rise, causing some land to disappear under water.



Reduce Reuse Recycle

How we can help:

1. **Recycle** as much rubbish as possible so factories don't have to use coal and oil to make new products.
2. Buy products with **recyclable** packaging.
3. **Switch off** lights and electrical appliances when not in use.
4. Walk, cycle or car share.
5. Use **renewable energy** sources for power if possible.
6. Plants and trees use carbon dioxide to make food so **planting** more helps reduce the amount in the atmosphere.
7. **Eat less meat** so less animals are farmed.

Energy Sources

Renewable

- Wind farms
- Solar farms
- Hydro power stations

Non-renewable

- Oil
- Coal
- Gas
- (Fossil fuels)