

Science Knowledge Organiser Year 5/6: Looking after the environment

Greenhouse gases

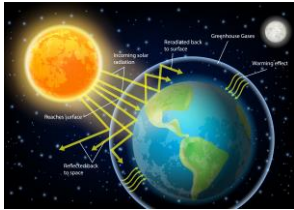
Some human activities produce **greenhouse gases** (carbon dioxide, methane, nitric oxide):

- 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.



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.

Energy Sources

- | Renewable | Non-renewable |
|------------------------|----------------|
| • Wind farms | Oil |
| • Solar farms | Coal |
| • Hydro power stations | Gas |
| | (Fossil fuels) |



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.



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Rocket Words

	weather	the condition outside at a particular time and place
	global warming	the process that causes the earth to become hotter
	recycle	the process of taking waste and turning them into something new
	biodegrade	to naturally break down
	net zero	how much greenhouse gas is added to the environment and what is taken away
	greenhouse gases	gases in Earth's atmosphere that trap heat
	industrial revolution	a period of major change in the way products are made
	combustion	another name for burning
	COP	conference of parties
	conference	an organised meeting of people with common interests
	species	a group of living things categorized together because of similarities in features
	habitat	the home of an animal or plant