







# Why is our Planet in Peril?

	<b>Climate Change</b>	Heatwaves, droughts, flooding, storms, decrease in crop yields and rising sea levels are all the effects of climate change.
	<b>Greenhouse gases</b>	When we use Carbon Dioxide, Methane, Nitrous Oxide, water vapour and Hydrofluorocarbons they cause a thick smog around the earth, meaning heat cannot escape. This causes global warming and climate change.
	<b>Deforestation</b>	This is one cause of climate change but is also responsible for reducing oxygen in the atmosphere and displacing wildlife.
	<b>Pollution</b>	Air pollution is the World's largest health risk. It poisons soil and waterways, kills plants and harms humans and animals.
	<b>Plastic</b>	Plastic does not biodegrade. This is a problem as lots of plastic ends up in our oceans.
	<b>Landfill</b>	All that rubbish we produce ends up in gargantuan rubbish tips that are taking over huge areas.

	Term	Definition
1	Sustainability	The ability to maintain balance between natural ecological systems by not harming the environment or using up resources that will run out.
2	Recycled	'Discarded' or 'end-of-life items' converted into a reusable item or materials.
3	Droughts	A long period with little or no rain.
4	Ecological	The scientific study of the relationships between living things and their environments.
5	Population	The people who live in an area, considered as a group.
6	Natural resources	Materials that are made by the environment.
7	Biodiversity	The variety of life
8	Minerals	A substance formed in the earth that is not of an animal or a plant.
9	Organisms	An individual living thing, such as a plant, an animal, or a germ.

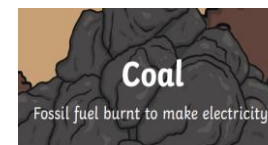
**Effects of Climate Change-** extreme weather eg floods/droughts /melting ice caps/rising sea levels/air pollution/deforestation/coral bleaching/failing crops/relocation and extinction of plant and animal species

## How can we elicit change?

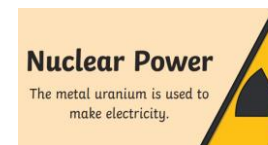
- Use a reusable water bottle
- Conserve Energy
- Ride bikes and walk
- Litter-pick
- Plant a tree
- Recycle
- Encourage others through education, art or protest.

You have stolen  
my dreams!

Swedish Climate Change Activist  
Greta Thunberg



**Oil**  
Fossil fuel used to make diesel and petrol.



**Non-renewable energy sources**

## **Renewable power sources**



Wind turbines turn the **energy** from the wind into electricity.



Solar panels turn the **energy** from sunshine into electricity.



The **energy** from heat deep underground can be turned into electricity. This is geothermal **energy**.



Biomass means 'natural material'. It is burned to create **energy**.

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