

Are we destroying the planet?**What should I already know?**

- The town I live in is called Bognor Regis, which is in West Sussex.
- West Sussex is in England, which is a country.
- England, which is in the United Kingdom, is in the continent of Europe.
- The seven continents (including North and South America) and five oceans.
- Features of regions that lie on and between the tropics. The human and physical characteristics of Italy.

To help me answer the BIG questions I will learn the following words....

Word	Definition
Climate change	<i>A change in world climate with more extreme weathers</i>
deforestation	<i>Cutting down of trees and forests for timber or to free land for other purposes</i>
environment	<i>The area in which an animal, human or plant lives</i>
Fossil fuels	<i>Fuel sources such as coal and oil</i>
Global warming	<i>The increase in global temperatures as a result of climate change</i>
Greenhouse gases	<i>Harmful gases such as CO₂ which is adding to the greenhouse effect (harming the ozone layer and trapping excess heat)</i>
Pollution	<i>Harmful substances being released into the environment</i>
Recycling	<i>The process of converting waste into reusable material</i>
Renewable energy	<i>Energy that comes from sustainable sources such as wind, solar or hydroelectric</i>
sustainable	<i>Something that can be maintained at a certain rate</i>

Earth key facts

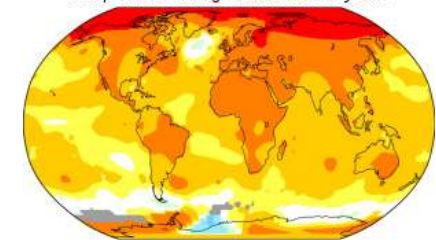
Population	<i>Approximately 7.9 billion</i>
Continents	<i>Africa, Antarctica, Asia, Australia, Europe, North America, South America</i>
Oceans	<i>Arctic Ocean, Atlantic Ocean, Indian Ocean, Pacific Ocean, Southern Ocean</i>
Countries	<i>There are 195 countries on planet Earth</i>
Environments	<i>Forests (31%), Rainforests (2%), Deserts (33%)</i>

To help me answer the BIG question I will be learning...

- ✓ Use aerial photographs to compare how and where deforestation is occurring? What are the reasons for deforestation?
- ✓ Identify and describe how the physical features affect the human activity within a location.
- ✓ Consider the advantages and disadvantages of plastic and how overuse is leading to pollution, including a study of the Great Pacific Garbage Patch.
- ✓ New technologies that are being introduced to reduce our impact on our environments and the world as a whole.
- ✓ Debate whether humans are doing enough to protect our world from our consumption of its resources.
- ✓ Compare and contrast changes in temperatures in a local area to that of the Arctic to consider where is hardest hit by global warming.
- ✓ Know some of the effects that an increase in global temperature will have.



Temperature change in the last 50 years



2011-2020 average vs 1951-1980 baseline

