

What is climate change?

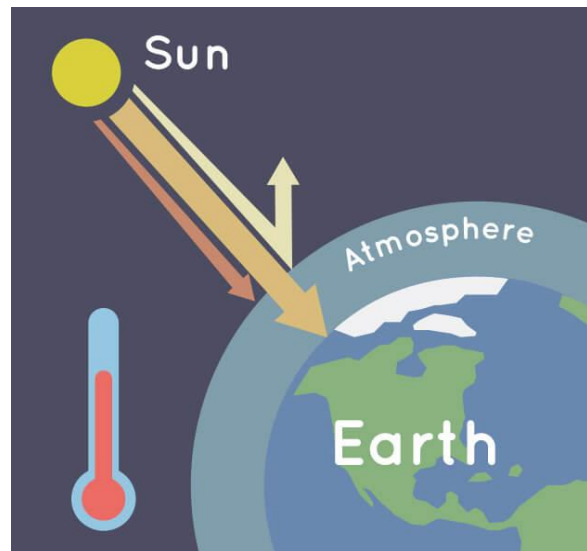
Over the last 200 years humans' use of oil, coal and gas has released lots of carbon dioxide into the atmosphere



What is the greenhouse effect?

Carbon dioxide is a greenhouse gas

- ↑ carbon dioxide
 - ↑ heat trapped in the earth's atmosphere
 - ↑ earths average temperature
- = **climate change**



Consequences of climate change

extreme weather

sea level rise and flooding

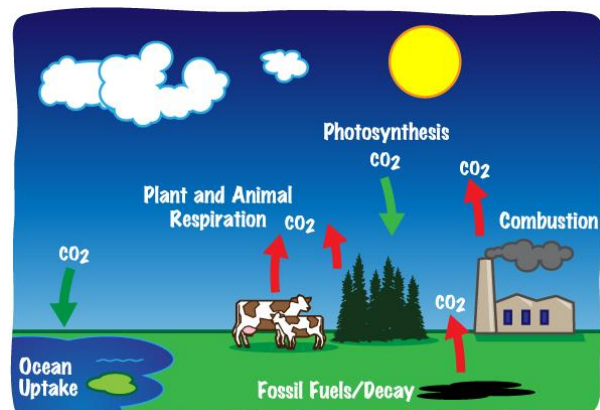
drought

species loss

Why are trees important?

Trees absorb carbon dioxide and store carbon (photosynthesis)

More trees = less carbon dioxide in the atmosphere

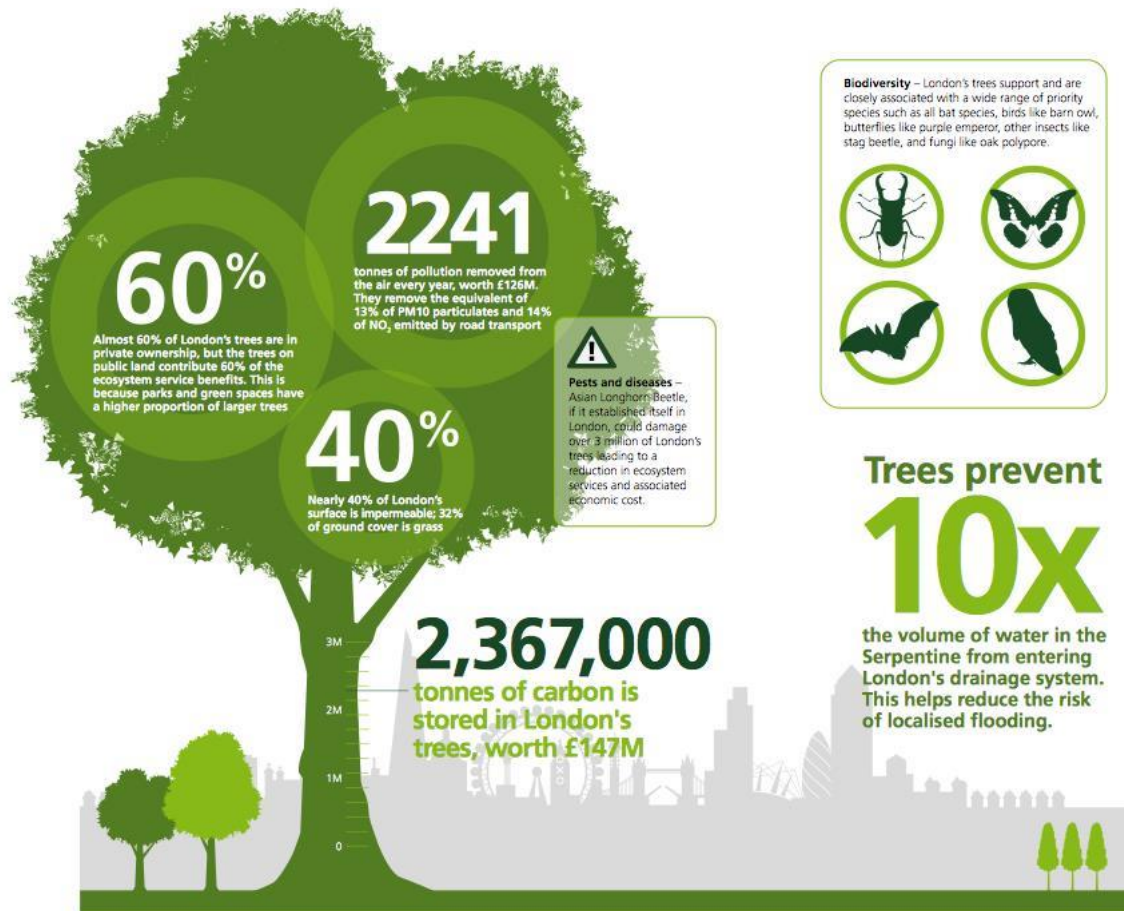


[Click here to find out about other greenhouse gases.](#)

images: <https://climatekids.nasa.gov/greenhouse-effect/>

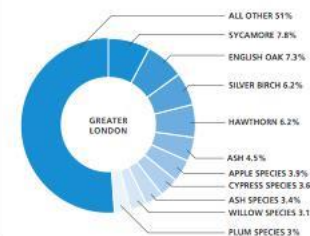
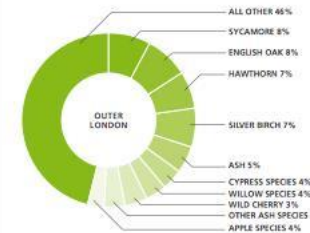
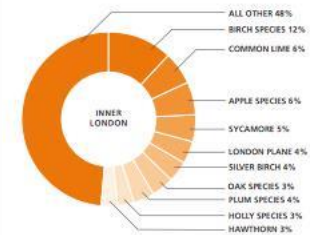
The graphic below gives some key statistics on trees in London and the advantages that they bring:

London's trees provide at least £133M of benefits every year in terms of air pollution removal, carbon sequestration and reducing the amount of water going into drains.



Trees prevent **10x** the volume of water in the Serpentine from entering London's drainage system. This helps reduce the risk of localised flooding.

There are **8.4M** trees in London



Source: **Waltham Forest Tree Strategy 2017-2022**

How can you help to look after trees?



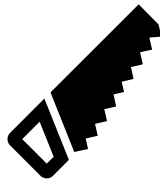
Get to know your area: visit local green spaces and Epping Forest with your family – show them how amazing it is!



Reuse and recycle paper – use scrap paper, upcycle (cardboard boxes, shoe boxes), borrow, share and donate books and use your local library.



Plant trees with your school, grow plants or [click here to find out how to help look after young trees in your area.](#)



We are so lucky to have Epping Forest as it is a protected area so will not be cut down. If you are worried about trees in your local area, [click here to find out about becoming a volunteer tree warden.](#)



Spread the word - tell your friends and family about what they can do to help.

[Click here for some simple ideas to reduce your carbon footprint.](#)

[Click to discover more about Epping Forest.](#)