

River Ganges

The River Ganges, running for more than 1500 miles across some of the most densely populated areas in Asia, is perhaps the most religiously significant body of water in the world. The river is considered to be sacred and spiritually pure, though it is also one of the most polluted rivers on earth.

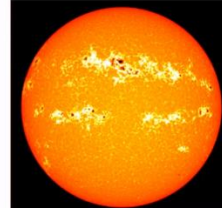
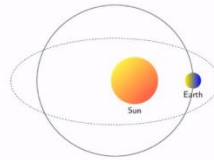


Global warming

Human causes



Natural causes



Credit: Texample - Julien Creteil- The Earth's

The UK's extreme weather

Extreme weather is when a weather event is **unseasonal**, such as snow in summer. Extreme weather can also be weather that is more **severe** than normal or weather that is **unusual** or not typical for that region.

Heavy rain

Example:

- **Boscastele (2004).**
- A month's worth of rain fell in 2 hours.
- Flooding.
- Loss of 50 cars.
- Damage to homes and businesses.
- Worry and anxiety.
- Impact on tourism.
- Damage to habitats.



Credit: Wikimedia Commons - Marky/890 - A RAF Seaking Helicopter in Boscastele During the Flood

Snow and ice

Example:

- **The Beast from the East (2018).**
- 50 cm of snow.
- Temperatures as low as -12°C.
- School closures.
- Transport disruption.
- Over 8000 collisions.
- Businesses affected.



Heatwaves

Example:

- **2018 (June, July and August)**
- Low rainfall.
- High temperature (35.3°C in Kent).
- Drought.
- Hosepipe bans.
- Wildfires (Saddleworth Moor).
- Roads melting.



Credit: Wikimedia Commons - European Space Agency - Dry fields of Wiltshire, UK

Thunderstorms

Example:

- **July 2014.**
- Southern and Central England.
- Power cuts.
- Flight delays.



Strong winds (and tornadoes)

Example:

- **Storm Ali (2018).**
- 100 mph winds.
- 2 deaths.

Example:

- **Birmingham, 2005.**
- Tornado.
- 19 injured.
- £40 million of damage.



Credit: Wikimedia Commons - Ossoom - Birmingham

Pacific garbage patch



The largest in existence and it is estimated to have been accumulating since the 1980's.

All major Oceans have a similar island as a result of ocean currents.

Environmental issues

Deforestation



Our planet has around 46% fewer trees than it did before humans started to deforest. 15.3 billion trees are chopped down every year.

Deep water horizon: Oil spill

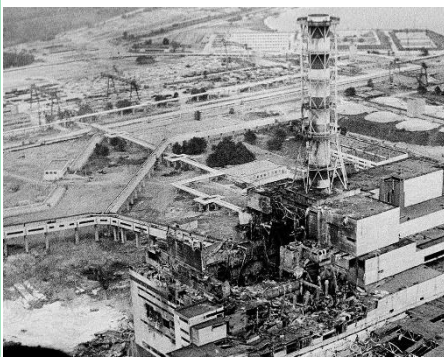
Deepwater Horizon oil spill was the largest marine oil spill in history, on April 20, 2010



-located in the Gulf of Mexico, approximately 41 miles (66 km) off the coast of Louisiana —and its subsequent sinking on April 22.

Chernobyl

On April 25 and 26, 1986, the worst nuclear accident in history unfolded in what is now northern Ukraine as a



reactor at a nuclear power plant exploded and burned. More than 30 years on, scientists estimate the zone around the former plant will not be habitable for up to 20,000 years.