

# The timeline

The Ozone Story

What else is happening?

1970

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## Making the timeline

In the table you will find a number of dates and events, listed in column 1. Cut them out, sort them into the correct order and then stick them on the left hand side of your timeline. If you find out any extra information, add this on to your timeline. In column 2, there are other dates; cut them out and stick them on the right hand side of your timeline. You can also add on other important events.

### Column 1

1971 It was thought that exhaust gases from a future fleet of supersonic aircraft might damage the ozone.
6/1975 Oregon becomes the first state to ban CFCs in aerosol sprays.
9/1987 The Montreal Protocol is signed, calling for eventual worldwide CFC reduction of 50% by 1999.
1995 The production of CFCs is banned in developing countries.
6/1991 Mount Pinatubo erupts in the Philippines, speeding up the conversion of chlorine already in the stratosphere into forms that destroy ozone.
Worldwide deadline for zero production of CFCs 2010
1995 Mario Molina shares the Nobel Prize in Chemistry with Sherwood Rowland and Paul Crutzen for his work on CFC and ozone.
8 / 1985 NASA's satellite photos confirm the existence of an ozone hole over Antarctica.
12/1973 Molina & Rowland discover that CFCs can destroy ozone in the stratosphere.
6/1974 The CFC-ozone theory is published in Nature.
9/1974 The CFC-ozone theory is discussed in public at the American Chemical Society. 10/1978 CFCs used in aerosols are banned in the United States.
12/1988 Preliminary findings of an ozone hole over the Arctic are discussed at a scientific conference in Colorado
1990 Montreal Protocol strengthened in London. A complete ban on CFCs by the end of the century.
1992 Copenhagen amendment to the Montreal Protocol. A complete ban on the production and use of CFCs by 1996.
1985 The Vienna convention called for additional research and international exchange of ozone depletion information.
3/1988 Dupont changes mind and announces that it will stop making things with CFCs.

### Column 2

I was born
1980 John Lennon killed in New York.
1979 Mrs Thatcher becomes prime minister.
I started secondary school.
I started primary school.
1997 Tony Blair became Prime Minister.
1997 Diana Princess of Wales was killed in a car crash.
1989 The Berlin Wall came down.
1982 The Falklands war.
1991 The Gulf War started.
1976 The first 'pop video'. Queen and Bohemian Rhapsody.
1990 Nelson Mandela freed from prison
1984 Band aid and feed the world. The first 'pop' fund raising concert with Bob Geldolf.
1977 The release of Star Wars.
1988 The first GCSEs were taken.
1981 The opening of the Musical 'Cats' by Andrew Lloyd Weber. Now the longest running musical.

1988 An international meeting confirms that chlorine compounds were the cause of the ozone loss over the Antarctic.
1991 Rate of ozone depletion increasing over heavily populated areas.
1986 Solomon's Antarctic Expedition provided strong evidence for manufactured chlorine compounds destroying ozone.
1994 Many companies had now stopped making CFC based products.
1993 Rowland speaks to the public to try and dispel rumours that the cause of ozone destruction was from natural causes.
1987 Solomon's 2nd Antarctic expedition confirms manufactured chlorine compounds destroy the ozone.
1986 Neil Harris examines ozone records taken at Arosa Switzerland. His results confirm the same ozone depletion.
1997 Montreal amendment to the original Montreal Protocol.
1995 Vienna amendment to the Montreal Protocol.

<b>You may wish to add more things to this side of the timeline.</b>

