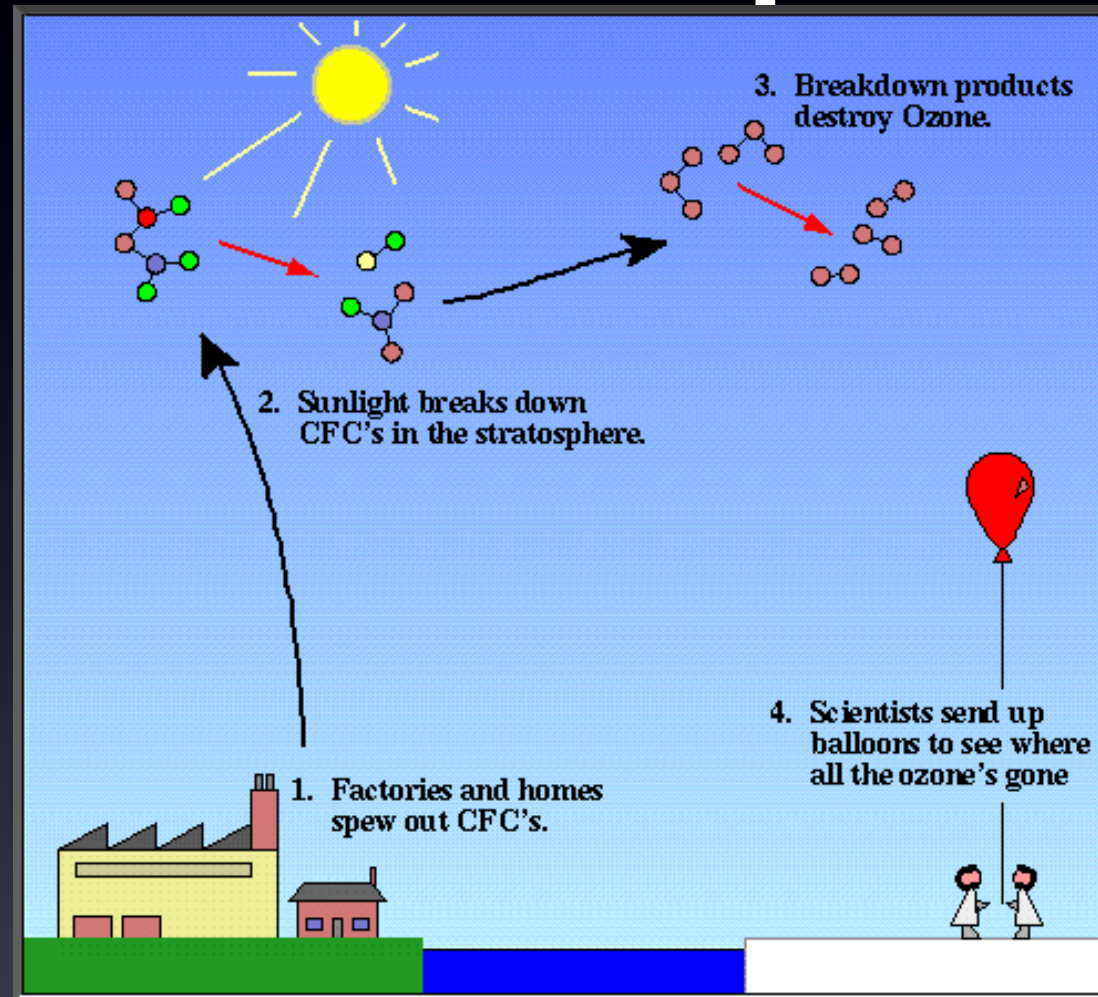


Ways to Reduce Ozone Depletion



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Ozone Depletion

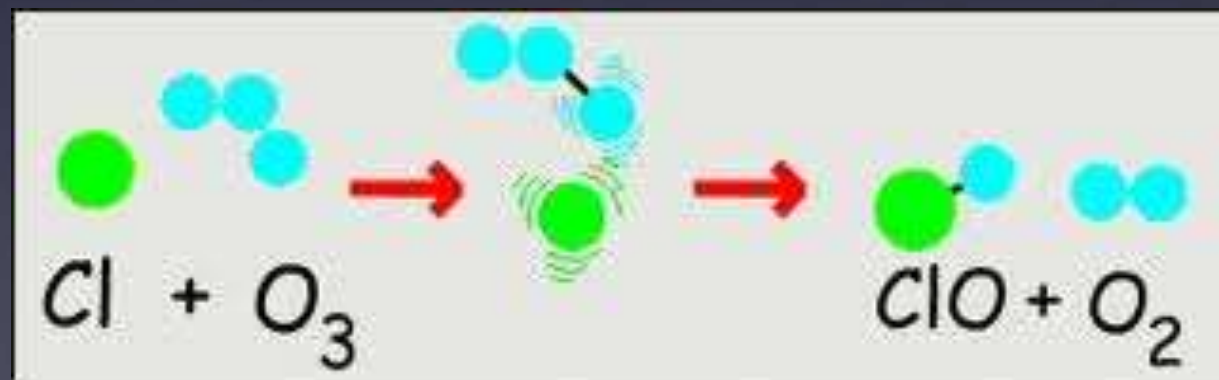
- What is the cause and effect of Ozone Depletion and what can we do to reduce it.

CFC's

- Also known as Chlorofluorocarbons
- They are broken down into Chlorine and Bromine by UV rays. Two very harmful chemicals for the environment.
- Responsible for 80% of ozone depletion.

Why They're harmful

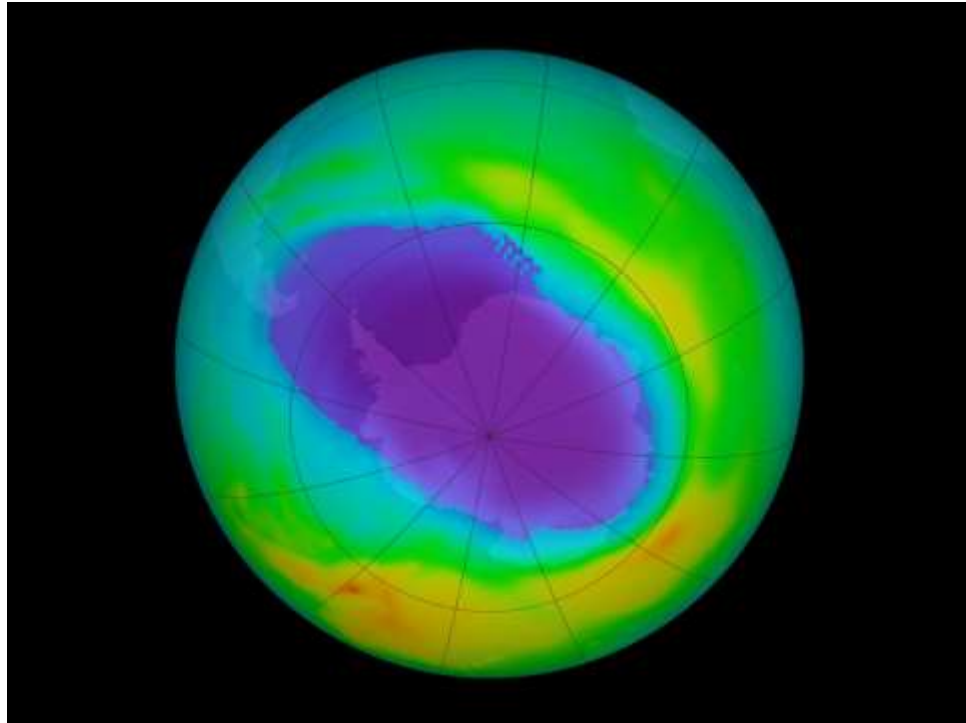
- $\text{Cl} + \text{O}_3 \rightarrow \text{ClO} + \text{O}_2$
- As you can see the Ozone (O_3) is being converted into oxygen and therefore depleting.



Things that contain CFC's

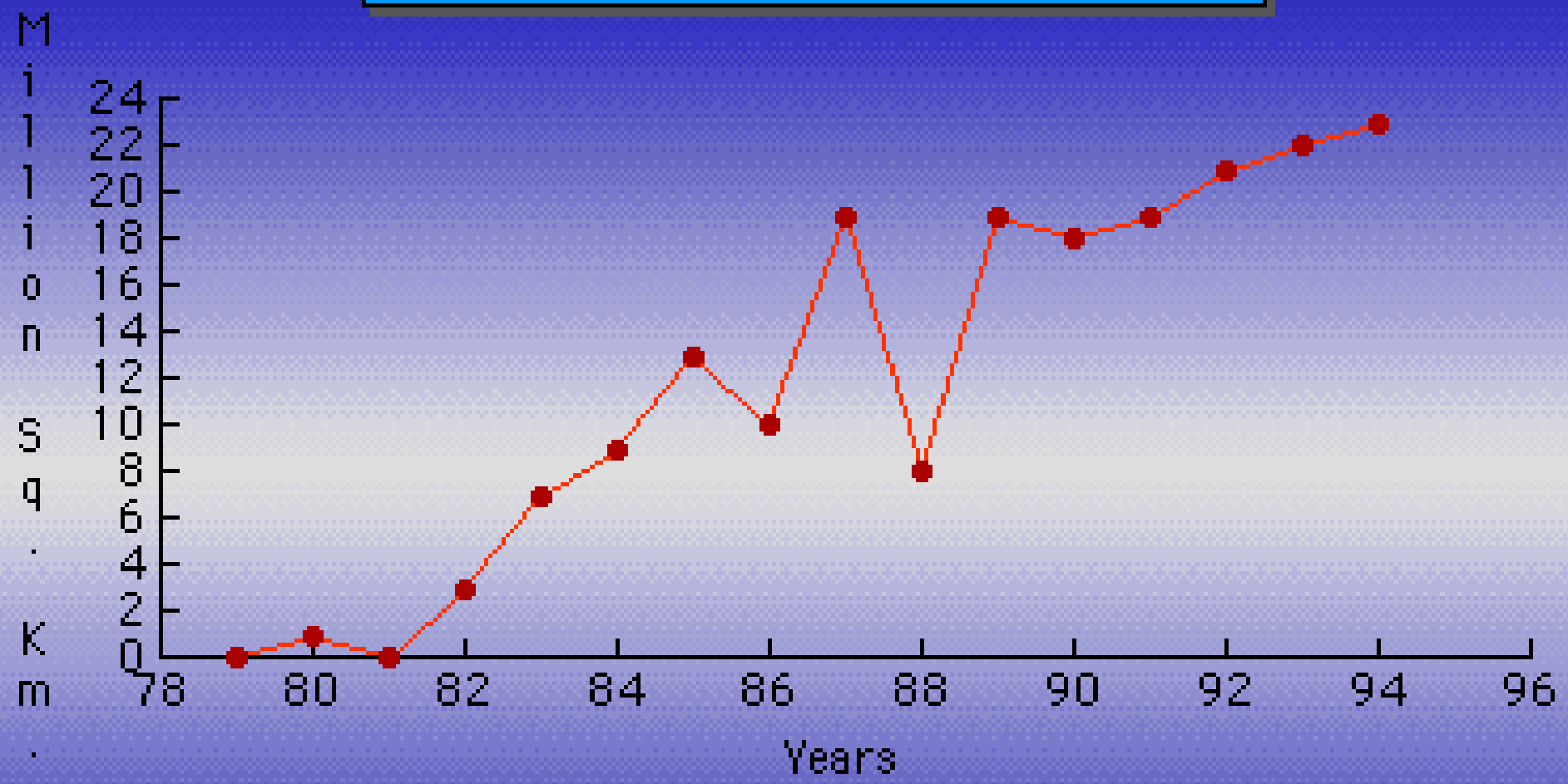
- A chemical called "Freon" contains CFC's
- This chemical is used in air conditioners and refrigerators.
- Aerosols (hairspray, spray paint) contain CFC's

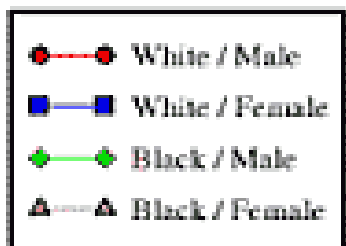
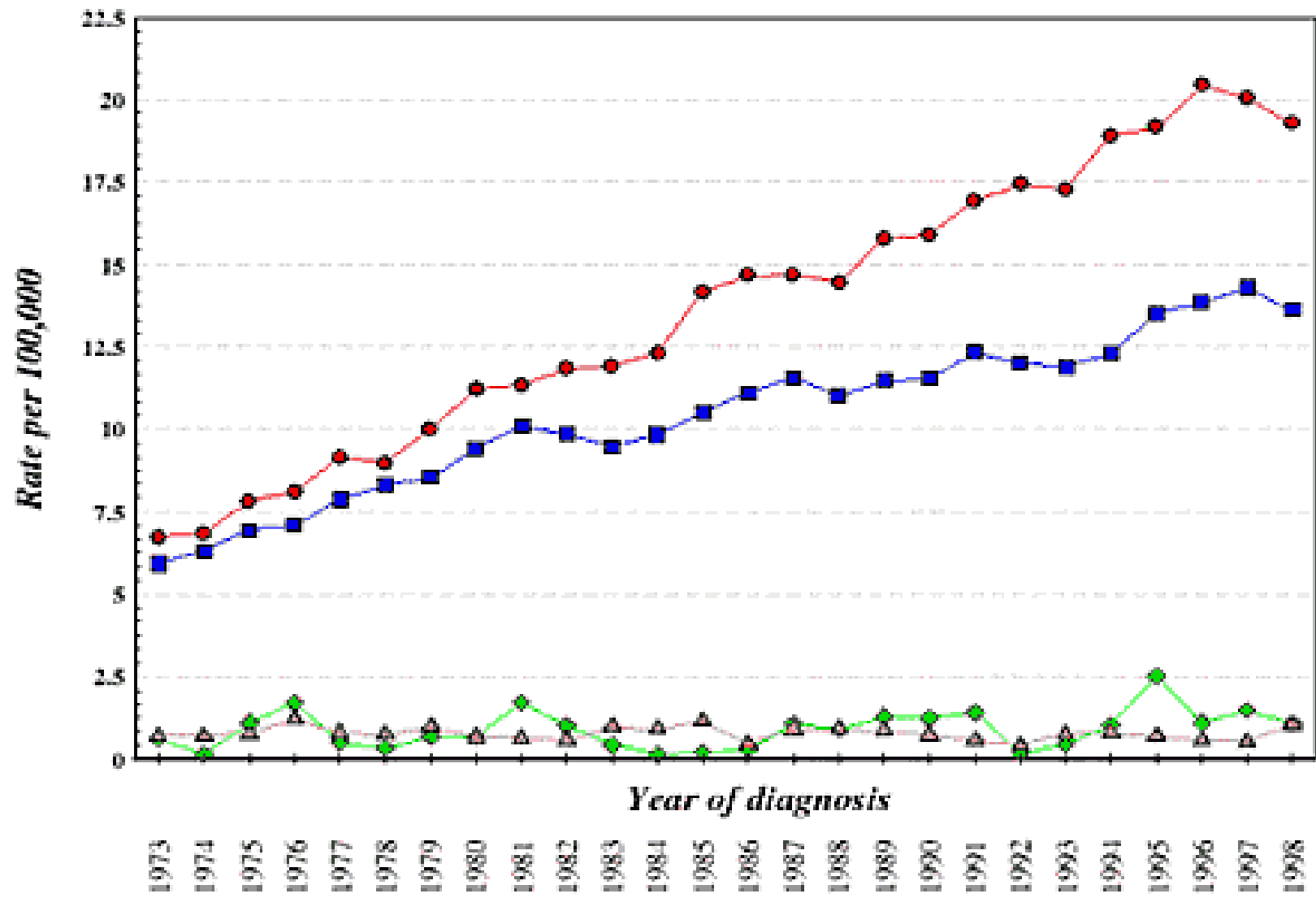
Impact And Cause



- The depletion of the Ozone layer has a huge impact on the Earth. It makes Antarctic ice caps to melt; and can cause skin cancer. The EPA estimates that by 2075 60 million Americans will have gotten skin cancer from ozone depletion.
- In Ocean ecosystems, UV (ultraviolet) rays emitted by the sun can cause plankton and other ocean producers to die.
- **Source:**
http://library.thinkquest.org/26026/Environmental_Problems/ozone_depletion_-_effects.html

Average Ozone Hole Size





Impact of Ozone Depletion

Click to

Ozone depletion causes great danger to our environment, as the ozone keeps depleting every year more UV rays pass through the ozone later. The reason for this is because as the ozone layer depletes it's like it is creating a giant hole that keeps getting bigger letting the UV rays to pass through easier. UV rays, also known as ultraviolet rays, are known to act as a catalyst for skin cancer and can severely harm us heading closer to death.

Other effects that the depletion of the ozone layer could have on the environment are damaging of plants and the massive decrease of the plankton population; this is all due to the increase of the ultraviolet rays as the ozone layer depletes.

Ways to Reduce Ozone Depletion

Action has already been taken to reduce Ozone depletion in several international conferences that culminated with the Montreal Protocol of 1987. It aimed at regulating the use of CFC's and HCFC'S (which are at the heart of the problem) which would end with the phase out of their use.

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