



WORLD OZONE DAY 2026

OZONE LAYER DEPLETION

CONTEXT

**16 September 2026 -
World Ozone Day**

- Commemorates the Montreal Protocol
- Highlights 10 years of adoption of the Kigali Amendment



SEP

**16
2026**

OZONE LAYER - THE BASICS

Aspect	Key Information
Ozone (O₃)	Highly reactive molecule containing 3 oxygen atoms
Location	10–50 km above Earth's surface
Atmospheric layer	Stratosphere
Function	Natural filter blocking harmful UV radiation from the Sun
Significance	Ozone shield is necessary for human life on Earth

⚠️ OZONE LAYER DEPLETION

What is it?

- Decrease in ozone concentration in the middle layers of the atmosphere, mainly the stratosphere.

Major anthropogenic causes

- Halogenated hydrocarbons
- CFCs • HCFCs • Halons • Carbo tetrachloride • Methyl bromide



❄️ WHY IS DEPLETION SEVERE IN ANTARCTICA?

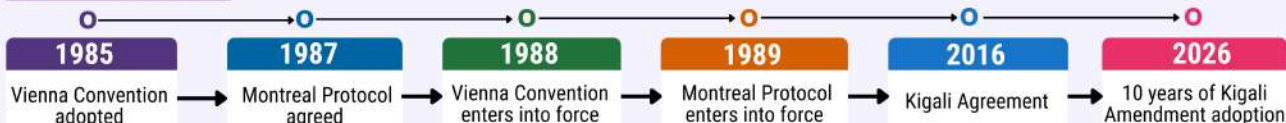


These conditions occur in Antarctica and nowhere else on the globe.

GLOBAL MEASURES TO PROTECT THE OZONE LAYER

Agreement / Protocol	Year & Location	Entry into Force	Core Objective / Significance
Vienna Convention	1985 - Vienna, Austria	1988	Protect human health & environment from harmful effects of ozone-layer depletion
Montreal Protocol	1987 - Montreal, Canada	1989	Control and phase out ozone-depleting substances
Kigali Amendment	2016 - Kigali, Rwanda	2019	Strengthens the Montreal Protocol through HFC phase-down

TIMELINE



Remember!

A healthier ozone layer today ensures a safer, brighter tomorrow.



EXAM TIP

Focus on the timeline and key objectives of Vienna Convention, Montreal Protocol and Kigali Amendment.



Keywords

- Ozone Layer
- Ozone Depletion
- Kigali Amendment
- Stratosphere
- CFCs
- Polar Stratospheric Clouds
- Montreal Protocol

