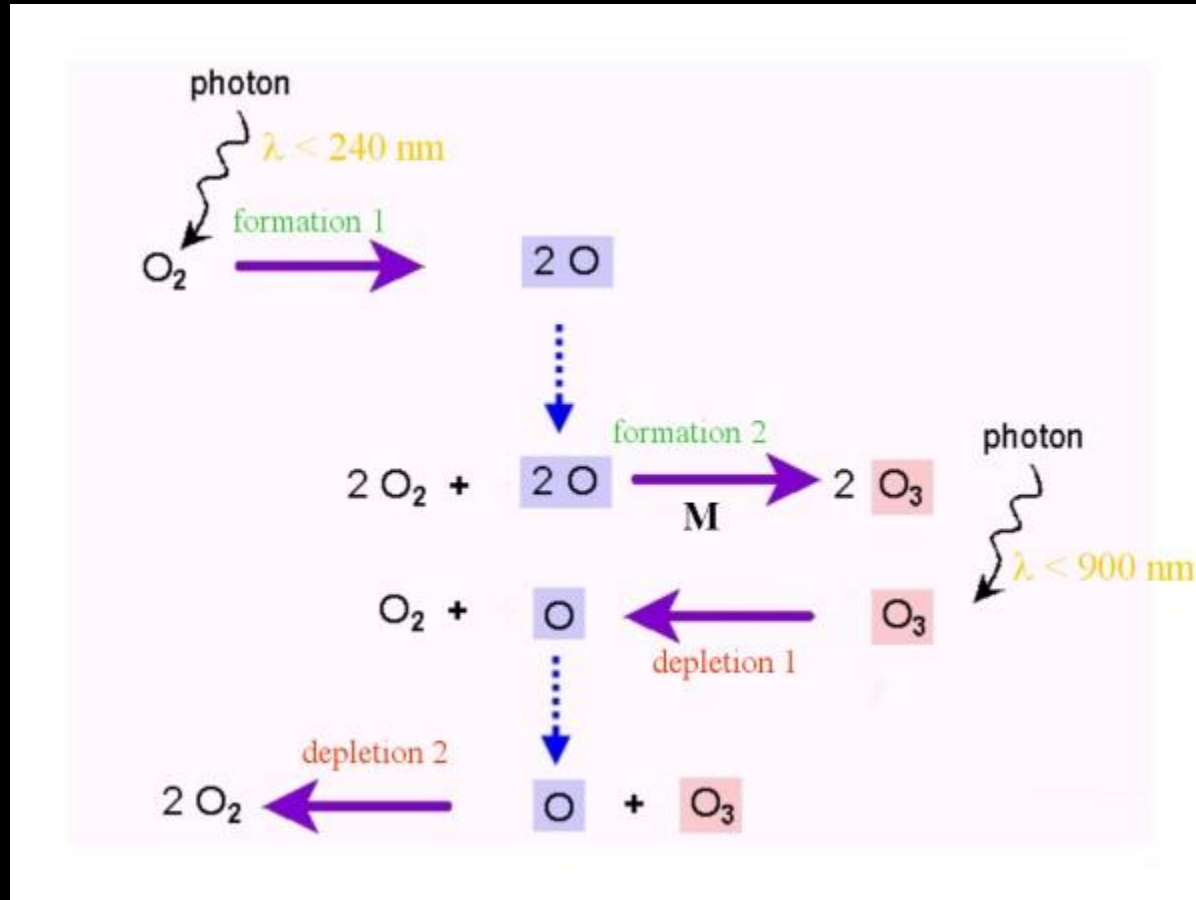
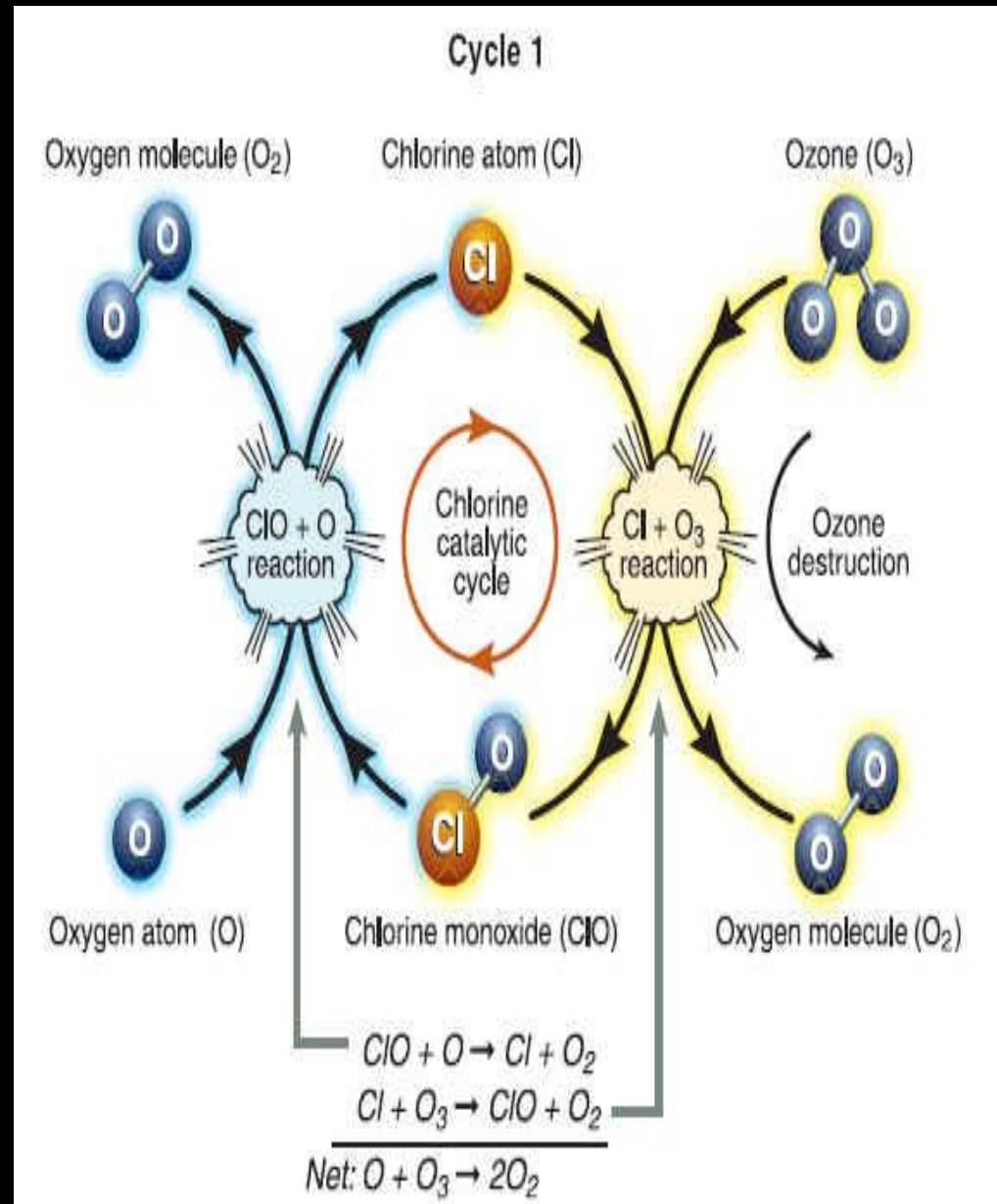


CFC/HCFC/HFC

CHAPMAN Reaction



Effect of Halogens



CFC/HFC/HCFC

CFC

- Unreactive
- Insoluble in water
- Low Boiling Point

HCFC

- ozone depletion potential of 0.055
- GWP 1810 times
- HPMPs
- 80% less lifespan
- 98% less OD Potential

HFC

- GHG
- Not ODS
- GWP 10,000 times (HFC-23)

GWP (Global Warming Potential)



GWP (Global Warming Potential)

- ❑ **A relative measure of how much heat a greenhouse gas traps in the atmosphere.**
- ❑ **Comparison with carbon dioxide.**

The GWP depends on the following factors:

- ❑ **the absorption of infrared radiation by a given species**
- ❑ **the spectral location of its absorbing wavelengths**
- ❑ **the atmospheric lifetime of the species**

Thank You

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