

## Ozone Layer Depletion Quiz PDF

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**What is the expected timeline for the ozone layer to recover to pre-1980 levels?**

- By 2030
- By 2050
- By 2070
- By 2100

**What is the primary source of chlorine in the stratosphere that contributes to ozone depletion?**

- Volcanic eruptions
- Sea spray
- CFCs
- Automobile emissions

**What is the primary function of the ozone layer?**

- To absorb carbon dioxide
- To absorb ultraviolet radiation
- To produce oxygen
- To regulate temperature

**Which layer of the atmosphere contains the ozone layer?**

- Troposphere
- Stratosphere
- Mesosphere
- Thermosphere

**Which compound is most commonly associated with ozone layer depletion?**

- Methane
- Chlorofluorocarbons (CFCs)

- Carbon dioxide
- Nitrous oxide

**Which of the following is NOT an ozone-depleting substance?**

- Halons
- Carbon tetrachloride
- Methane
- methyl chloroform

**Which of the following is a health effect of increased UV radiation due to ozone depletion?**

- Decreased skin cancer rates
- Increased eye cataracts
- Improved immune function
- Reduced sunburn risk

**Which substances are classified as ozone-depleting substances (ODS)? (Select all that apply)**

- CFCs
- Halons
- Carbon dioxide
- methyl bromide

**What are the roles of polar stratospheric clouds in ozone depletion? (Select all that apply)**

- They release active chlorine
- They absorb UV radiation
- They provide a surface for chemical reactions
- They increase greenhouse gas emissions

**Which of the following are effects of ozone layer depletion? (Select all that apply)**

- Increased skin cancer rates
- Higher crop yields
- Damage to marine ecosystems
- Reduced atmospheric CO<sub>2</sub> levels

**Which of the following actions help protect the ozone layer? (Select all that apply)**

- Using air conditioners with CFCs
- Supporting the Montreal Protocol
- Reducing the use of aerosol sprays
- Planting more trees

**What are some challenges to the recovery of the ozone layer? (Select all that apply)**

- Illegal production of CFCs
- Natural disasters
- Climate change impacts
- Overfishing

**What international treaty was established to phase out ozone-depleting substances?**

- Kyoto Protocol
- Paris Agreement
- Montreal Protocol
- Geneva Convention

**Which monitoring methods are used to measure ozone levels? (Select all that apply)**

- Satellite observations
- Ground-based spectrophotometers
- Weather balloons
- Ocean buoys