

Political Science 12: IR -- Ninth Lecture, Part 1



13

**The Global
Environment**

The Global Environment

1. Resolving environmental problems
2. Interests and interactions
3. Severity of problems and outcomes
4. International institutions and cooperation
5. The science of ozone depletion and climate change

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Resolving Environmental Problems

- On some issues, states fail to take action
- Other important issues have been successfully resolved

The Global Environment

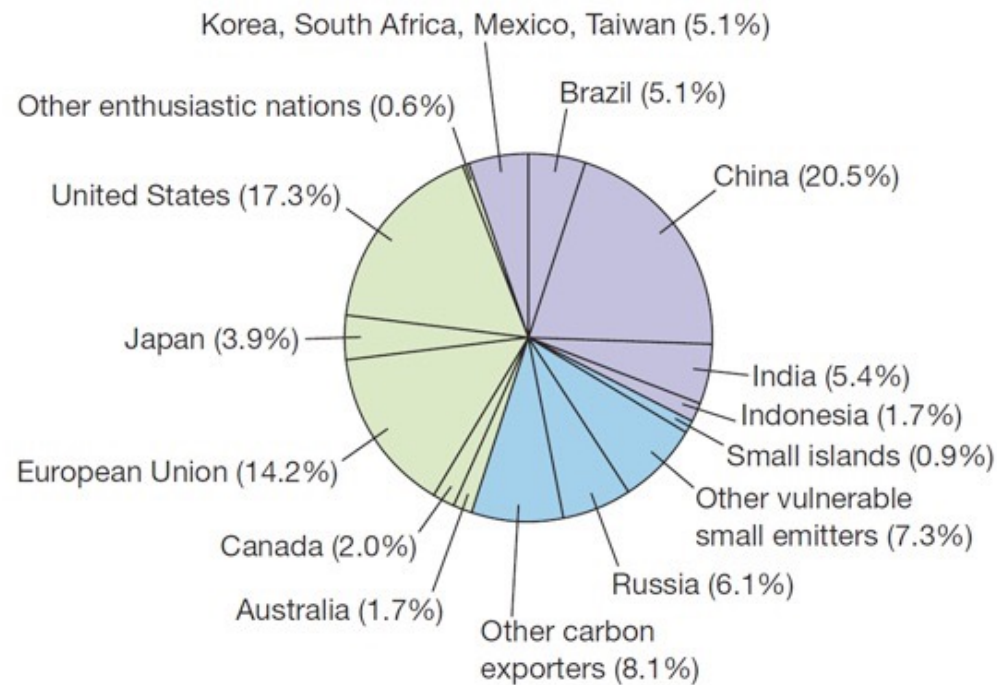
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Interests and Interactions



Interests and Interactions

Figure 13.1: National Interests and Carbon Dioxide Emissions



Interests and Interactions

Two different types of goods pose different kinds of cooperation problems

1. Public goods
2. Common pool goods

Interests and Interactions

At times, public and common goods
can be privatized

Privatizing public goods

Interests and Interactions



Interests and Interactions



Map 13.1:
Environmental
Performance
Index, 2012

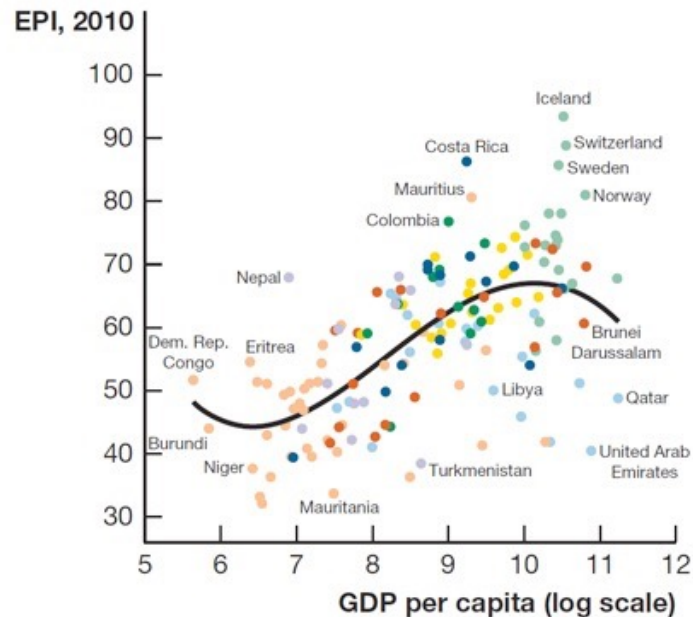
Interests and Interactions

Map 13.1:
Environmental
Performance
Index, 2012



Interests and Interactions

Figure A: EPI and Income, 2010



- Western Europe
- North America
- South America
- South Asia
- East Asia and the Pacific
- Central and Eastern Europe
- Middle East and North Africa
- Sub-Saharan Africa

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Severity of Problems and Outcomes



Severity of Problems and Outcomes



Severity of Problems and Outcomes



Severity of Problems and Outcomes

Privileged groups tend to be more effective

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International Institutions and Cooperation

- Setting standards
- Verifying compliance

International Institutions and Cooperation



International Institutions and Cooperation

- Facilitating decision-making
- Resolving disputes

International Institutions and Cooperation

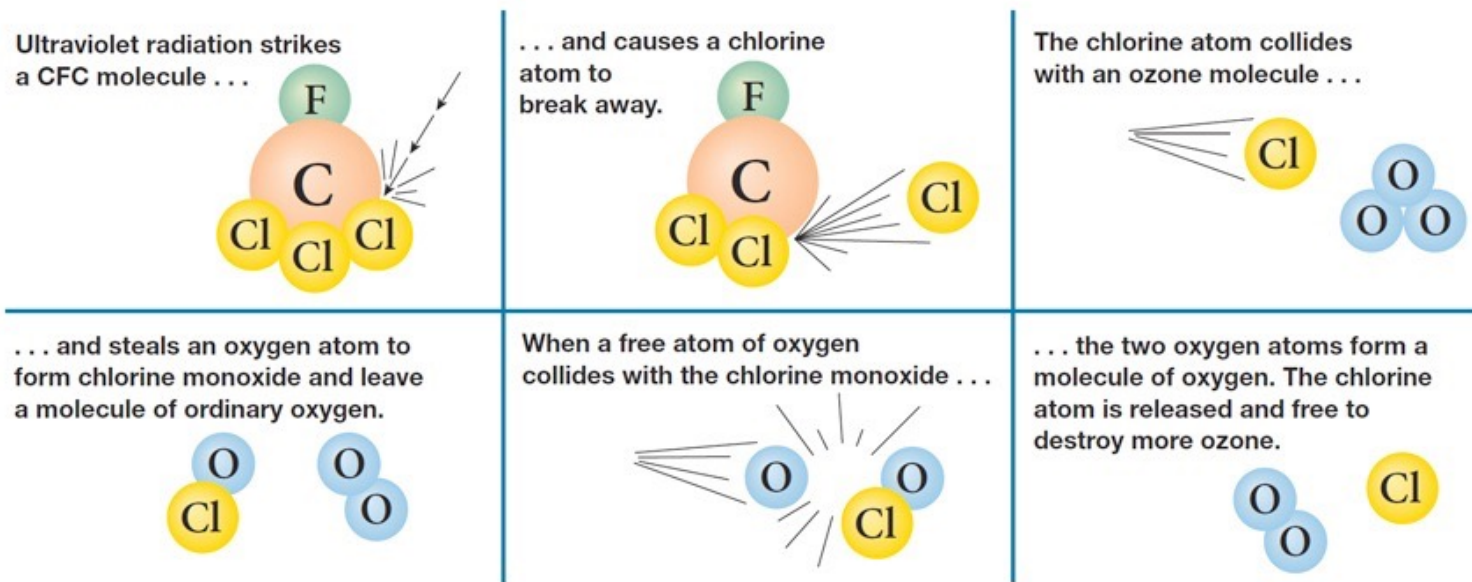


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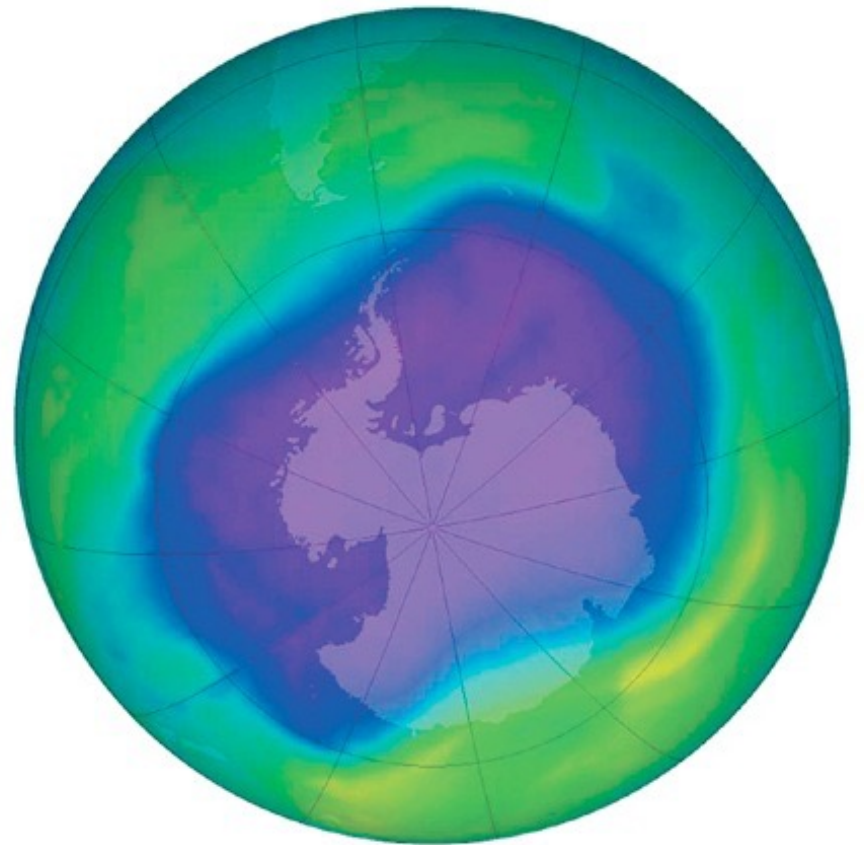
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Figure 13A.1: The Chemistry of Ozone Depletion



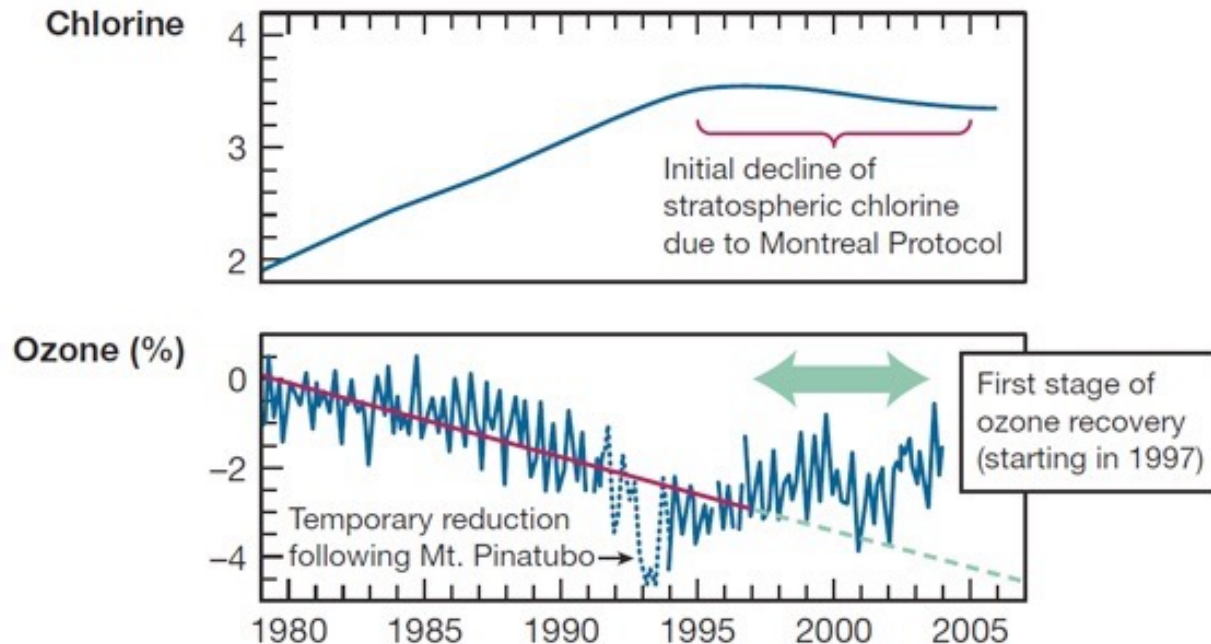
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Figure 13A.2: Ozone Hole



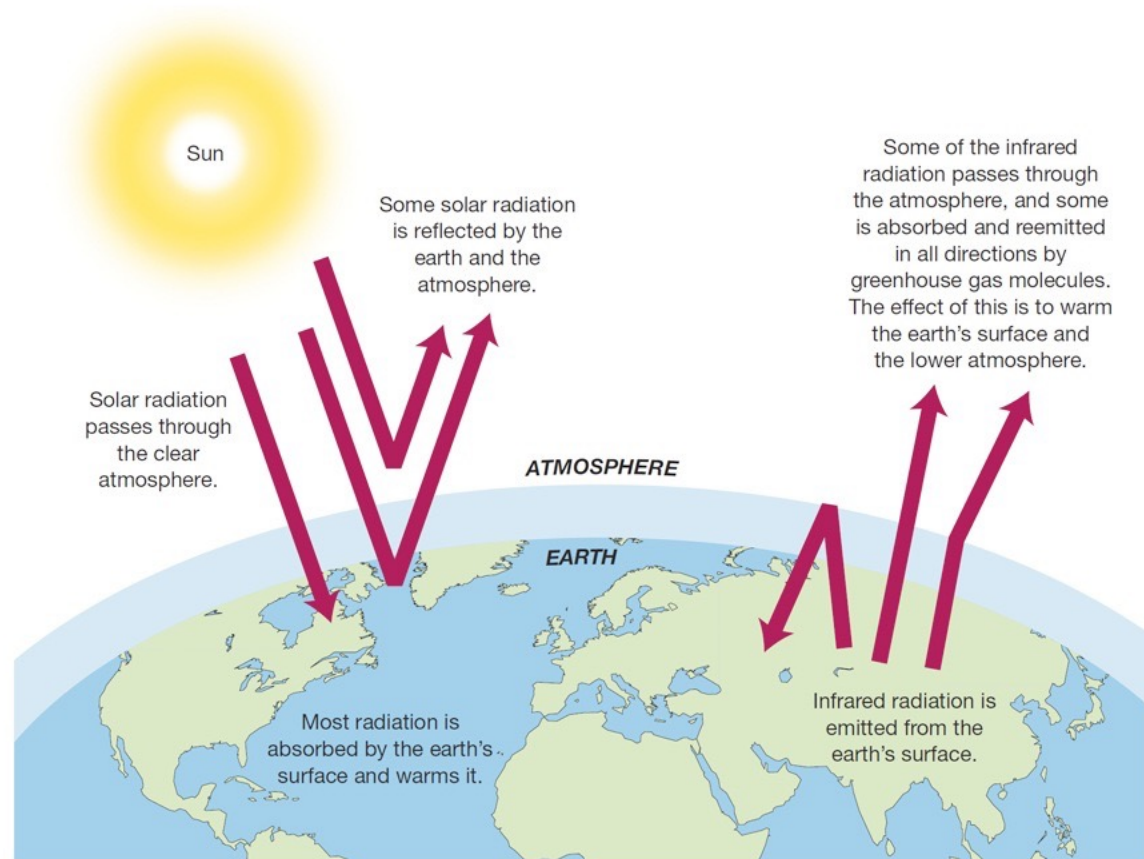
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Figure 13A.3: Atmospheric Chlorine and Ozone Levels



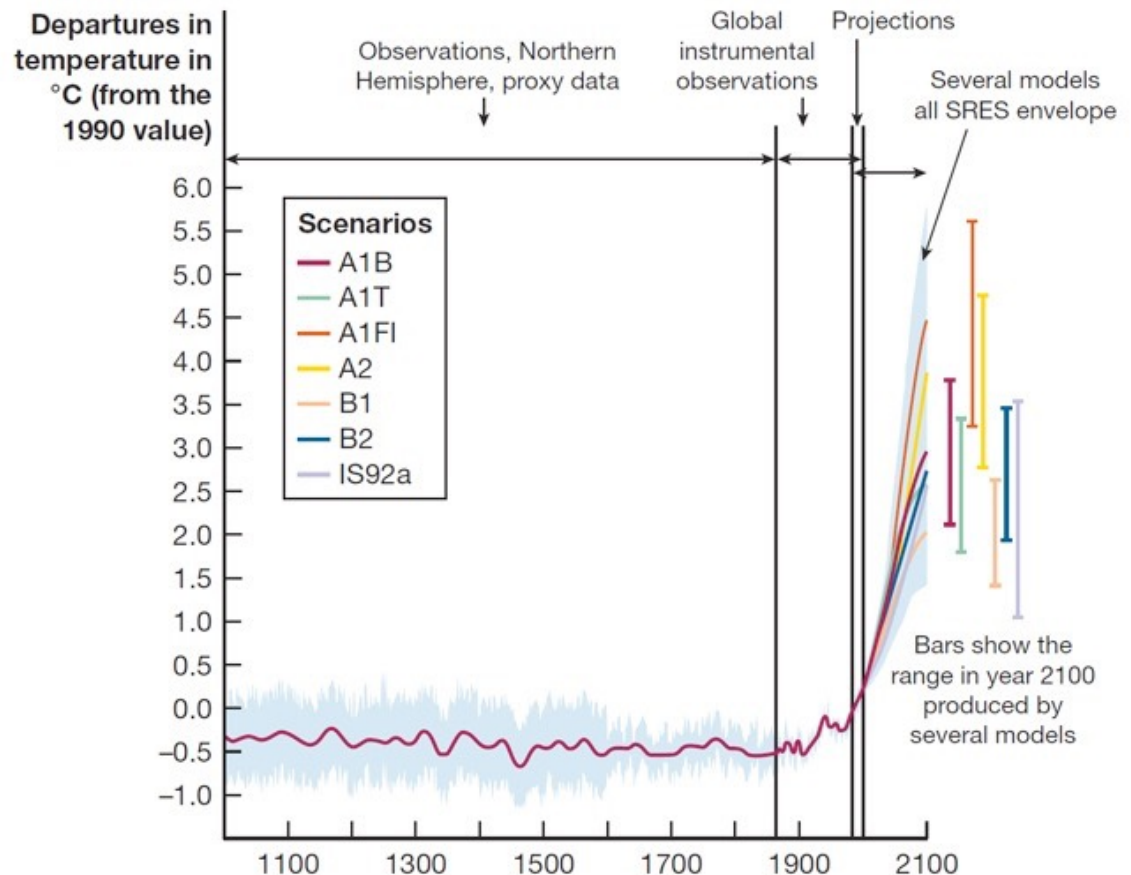
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Figure 13A.4: The Greenhouse Effect



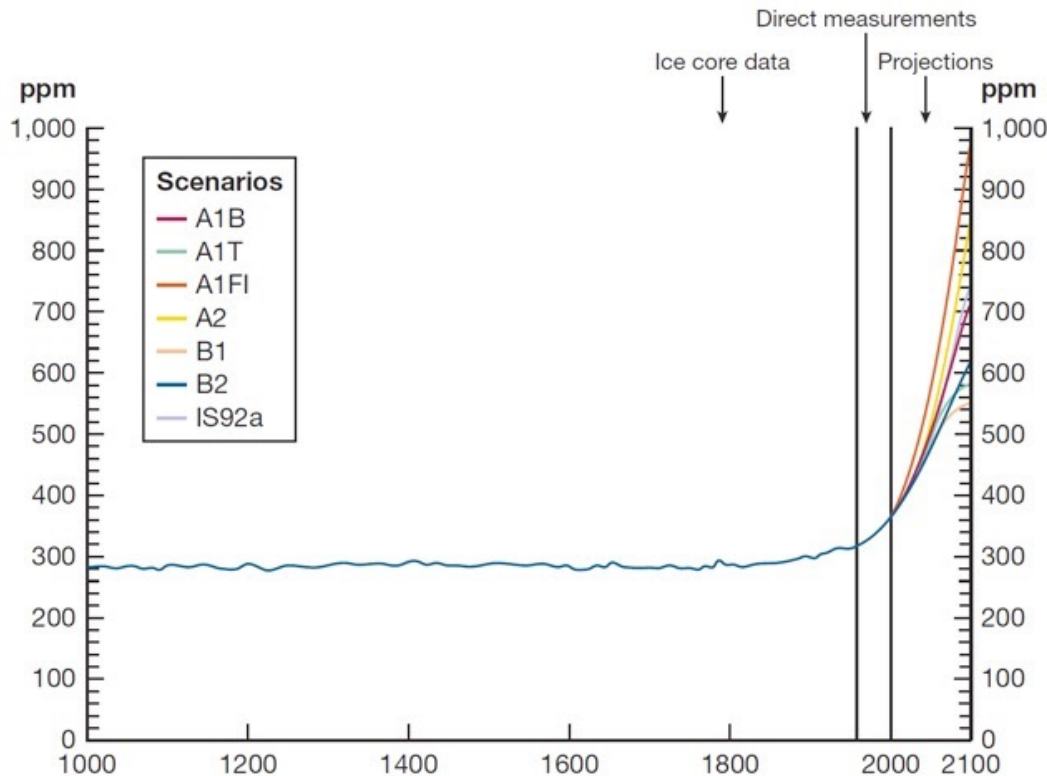
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Figure 13A.5:
Earth's Surface
Temperature,
1000-2100



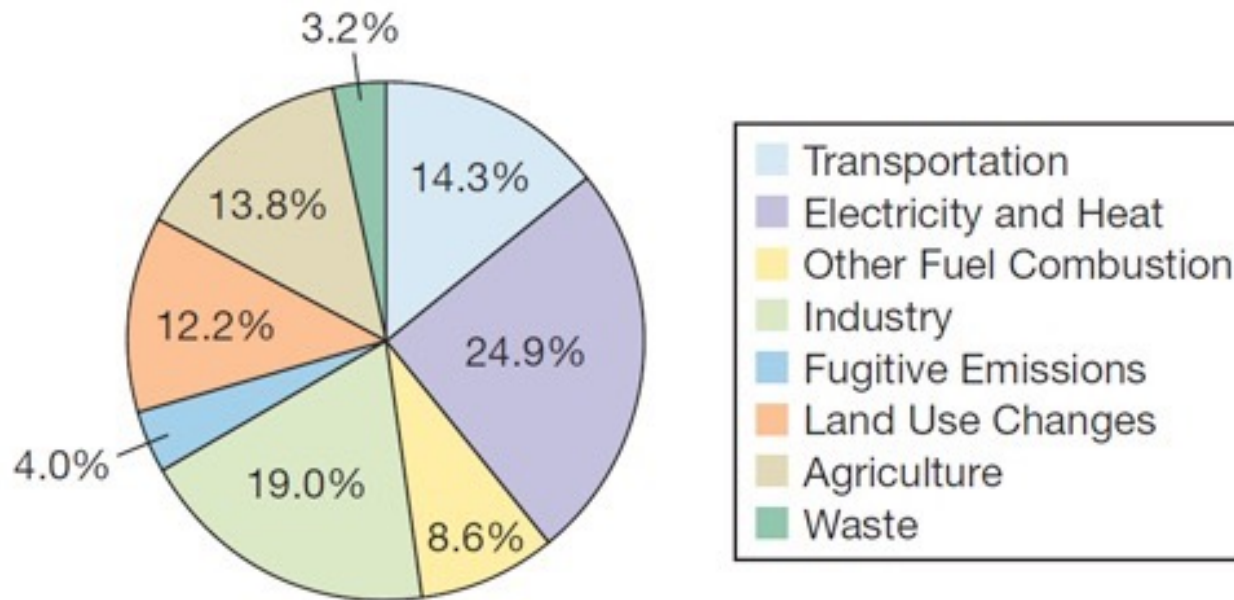
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Figure 13A.6: CO₂ Concentrations in the Atmosphere



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Figure 13A.7: World Greenhouse Gas Emissions, 2000



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